

RAMYA BONDALAPATI

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SUMMARY:

- ▶ Around 5 years of experience in Web/Application Development as a Software Developer in analytical programming using **python** with skills in analysis, design, development, testing and deploying software applications.
- ▶ Good experience using various **python** libraries to speed up development (libraries used: **Beautifulsoup**, **SciPy**, **Matplotlib**, **python** - twitter, **Panda's** data frame, network, **urllib2**, **My SQL**, **NOSQL**, **dB** for database connectivity, **JSON** libraries)
- ▶ Developed entire frontend and back-end modules using **python** on **Django** Web Framework with **GIT**.
- ▶ Successfully Migrated the **Django** database from **SQLite** to **My SQL** to **PostgreSQL** with complete data integrity.
- ▶ Experience in developing applications using amazon web services (**AWS**) like EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front.
- ▶ Experience in Object Oriented Design and Programming concepts in **Python** and **java**.
- ▶ Strong knowledge in web services testing via Tool **SOAP** / **Restful web services**.
- ▶ Experience in **GIT**, **Jenkins**, Continuous Development/Continuous Integration (**CI/CD**), General understanding of networking concepts.
- ▶ Proficient in **SQL** databases MS SQL, MySQL, **Oracle** and no-SQL databases MongoDB, Cassandra.
- ▶ Designed and implemented automation solutions for infrastructure provisioning, configuration, and management using **Ansible** and **Python**.
- ▶ Worked in **agile** and **waterfall** methodologies with high quality deliverables delivered on-time.
- ▶ Experience in Implementation of **MVC/ MVW** architecture using Servlet, Django, and RESTful, SOAP web service.
- ▶ Responsible for creating efficient design and development of responsive UI using with **HTML5**, **CSS3**, **JavaScript**, **MEAN** stack (MongoDB, Express, Angular, and Node JS) and **React JS**.
- ▶ Involved in the development of the applications using **Python**, **HTML5**, **CSS3**, **AJAX**, **JSON**, and **jQuery**.
- ▶ Developed Restful Micro Services using Flask and Django and deployed on AWS servers using **EBS** and **EC2**.
- ▶ Proficient knowledge in cloud services like **Azure** and **AWS**.
- ▶ Experience of programming using Object Oriented Programming (**OOPs**) and software development life cycle (**SDLC**) and agile methodologies.
- ▶ Expert in Various **Agile** methodologies like Test Driven Development, **SCRUM**, Incremental and Iteration methodology and Pair Programming.
- ▶ Experience working with **Docker** images, **Kubernetes**, and containers and **Ansible**.
- ▶ Proficient in Front end development experience using **HTML5**, **XML**, **CSS**, **jQuery**, **JSON**, **JavaScript**, and **Bootstrap**.
- ▶ Conducted troubleshooting and optimization of existing **automation** scripts to improve performance, reliability, and efficiency.
- ▶ Experience in **Python** Development and Scientific Programming, using **Numpy** and **Pandas** in **Python** for **Data Manipulation**.
- ▶ Experience in MVT architecture using **Django** for web-based application in Object Oriented Programming (**OOPS**) concepts.
- ▶ Good working experience in working with **JSON** Web token (JWT).
- ▶ Experience in building **REST API** architectures designed for scale and security.
- ▶ Experience using version control system such as **GIT**, and **GitHub**.
- ▶ Extensive knowledge on automated batch programs by **UNIX** shell Scripts (file validations, file downloads, workflow executions).
- ▶ Integrated automation processes seamlessly into **CI/CD** pipelines, enhancing the overall

development and deployment lifecycle.

- ▶ Experienced in working on Application Servers like **Apache** and **Nginx**.
- ▶ Experience with scripting languages (**Perl**, **shell scripts**, etc.), and **Unix**-based operating systems (especially **Linux**)
- ▶ Proficient with **PyTest**, **Unit testing**/ Test-driven Development (**TDD**) and Integration testing.

TECHNICAL SKILLS:

| | |
|-----------------------------|--|
| Languages | Python, Java, JavaScript/ jQuery, Unix Scripting, C/C++, SQL, PL/SQL,R |
| Frameworks/Web technologies | Django, Flask, HTML5, CSS3, Bootstrap, RESTful Web Services, Ajax |
| Database | Oracle, MYSQL, SQL Lite |
| Operating Systems | Windows, Linux |
| Web Services | Soap, Apache Axis, Restful. |
| Tools | PyCharm, Idle, SQL Developer, Git, Service Now, JIRA, FileZilla, Putty, SoapUI, Postman. |
| Methodologies | Agile/Scrum |
| Cloud Services: | Azure, AWS. |

WORK EXPERIENCE:

Company: AKASA.

July 2022 – Till Date

Role: Software Developer

Responsibilities:

- ▶ Used Django Framework in developing web applications to implement the model view control architecture.
- ▶ Develop consumer-based features and applications using Python, Django, pyramid, Flask, Web2py, HTML and other web technologies.
- ▶ Implemented web applications in Flask frame works following MVC architecture.
- ▶ Participated in the complete SDLC process.
- ▶ Proficient in utilizing Ansible and Python scripting to create scalable and efficient automation solutions.
- ▶ Develop programs to automate the testing of controller in CI/CD environment using Python, Java, Bash script, Git, Linux command line, Java Script.
- ▶ Design, build and manage the ELK (Elasticsearch, Logstash, graphite, Kibana) cluster for centralized logging and search functionalities for the App.
- ▶ Development of Python APIs to dump the array structures in the Processor at the failure point for debugging.
- ▶ Worked on with Docker's container snapshots, attaching to a running container, removing images, managing director structures, and managing containers. Virtualized the images by using the Docker files.
- ▶ Experience in using collections in Python for manipulating and looping through different user defined objects.
- ▶ Demonstrated expertise in infrastructure as code (IaC) principles, emphasizing the importance of version-controlled and reproducible infrastructure.
- ▶ With using of Python OS module on UNIX environment, made job cloning and forking.
- ▶ Used python libraries like Beautiful Soap, NumPy and SQLAlchemy.
- ▶ Implemented Bash, Perl, Python scripting to automate many day-to-day tasks.
- ▶ Created Business Logic using Python to create Planning and Tracking functions.
- ▶ Used web services like Amazon Web Services (AWS) EC2, AWS S3, Auto scaling, Cloud watch and SNS.

- ▶ Implemented in Jenkins for Continuous Integration and for automating all builds and deployments and Build Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code and installed and Administered Jenkins CI for Maven Builds.
- ▶ Designing, implementing, and maintaining solutions for using Docker, Jenkins, Git, and Puppeteer for microservices and continuous deployment
- ▶ Proficient in developing websites and web applications using PHP, MYSQL, AWS, Flask, REDIS, HTML, XML, JSON, CSS, **Java** Script & AJAX.
- ▶ Worked in NoSQL database on simple queries and writing Stored Procedures for normalization and renormalization.
- ▶ Created real-time dashboard for Executives, utilizing Logstash, graphite, Elastic Search, Kibana & Redis.
- ▶ Trained staff on effective use of Jenkins, Docker, GitLab and Kubernetes
- ▶ Implemented CI/CD pipeline using Jenkins, Ansible Playbooks and Ansible Tower
- ▶ Designed and developed **data management** system using MYSQL.
- ▶ Experience in handling REST and SOAP, API Web Services and have Knowledge of Servers like Apache Tomcat and Web Logic
- ▶ Researched and implemented code coverage using SonarQube scanner and runner and unit test plug-ins like find bugs, check style and Junit with Maven/Hudson.
- ▶ Integration of data storage solutions using Django ORM system for MongoDB.
- ▶ Used Unit Test **Python** library for testing many programs on **python** and other codes.
- ▶ Developed and Tested features of dashboard using CSS, JavaScript, Django, and Bootstrap.
- ▶ Applied knowledge of Linux/Unix systems and shell scripting to support automation tasks and system maintenance.
- ▶ Wrote Stored Procedures in SQL and Scripts in **Python** for data loading.

Company:QUALCOMM

July 2021 - June 2022

Role: Software Developer

Responsibilities:

- ▶ Developed web applications in Django Framework's model view control (MVC) architecture.
- ▶ Worked on **Python** to place data into JSON files for testing Django Websites. Created scripts for data modelling and data import and export.
- ▶ Made use of advanced **python** packages like NumPy, SciPy for various sophisticated numerical and scientific calculations.
- ▶ Implementation of new post login navigation system and new Branding experience using Microservices and JSON logic.
- ▶ Implemented Docker containers to create images of the applications and dynamically provision slaves to Jenkins CI/CD pipelines.
- ▶ Knowledge or experience of agile development (e.g. XP, SCRUM, Kanban) and continuing integration & Strong understanding of Messaging Middleware concepts, usage and application Experience in TCP/IP networking
- ▶ Implemented the MVC architecture using Apache Struts Framework & Experience in **Python** open stack API's.
- ▶ Worked with Rational Clear Case to provide sophisticated version control, workspace management and parallel development support. Build and maintained a Selenium Regression test suite.
- ▶ Effectively collaborated with system architects to design automation solutions that meet scalability and efficiency requirements.
- ▶ Extensive Experience in deploying, managing and developing **Oracle** SQL developer clusters & Involved in building database Model, APIs and Views utilizing **Python**, to build an interactive web-based solution.
- ▶ Built various graphs using Matplotlib package which helped in taking business decisions

- ▶ Created Restful API's to integrate and enhance functionalities of the application. Also Utilized Restful API in communicating with third parties.
- ▶ Expertise in configuration management automation tools such as Chef, Puppet and Salt, HTML, SASS, Bootstrap, CSS, and JavaScript used to create UI for the website.
- ▶ Experience in working with configuration management tools like PUPPET and ANSIBLE jQuery and AJAX call used for more interactive web pages. Ensured quality versioning with GIT.
- ▶ Experience with continuous integration and automation using JENKINS & Used JIRA for tracking and Updating Project issue.
- ▶ Excellent understanding and knowledge of Hadoop Distributed file system data modelling, architecture and design principles and Developed Python Mapper and Reducer scripts and implemented them using Hadoop streaming.
- ▶ Involved in writing application level code to interact with APIs, Web Services using JSON and involved in AJAX driven application by invoking web services/API and parsing the JSON response.
- ▶ Integrated security best practices into automation processes, ensuring a secure and compliant infrastructure.
- ▶ Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.
- ▶ Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
- ▶ Developed views and templates with Python and Django view controller and templating language to create a user- friendly interface using MVC architecture.
- ▶ Extracting data from the database using SAS/Access, SAS SQL procedures and create SAS data sets.
- ▶ Involved in installing software using pip command for python libraries like Beautiful Soup, NumPy, SciPy, python-twitter, RabbitMQ, Celery, matplotlib, Pandas data-frame and used the PEP8 coding convention.
- ▶ Migration of API code written for Sybase to Oracle and was involved in Overlook the migration activity of PL/SQL programs.
- ▶ Communication with team members for both Ansible Core and Ansible Tower teams to clarify requirements and overcome obstacles
- ▶ Automated various service and application deployments with ANSIBLE on CentOS and RHEL in AWS.
- ▶ Wrote ANSIBLE Playbooks with Python, SSH as the Wrapper to Manage Configurations of AWS & Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
- ▶ Used Python Libraries Pandas and NumPy, SQL and Tableau to procure, clean and aggregate data from Relational database to generate status reports and dashboards.

Company: ODUResearchFoundation

Aug 2019 - June 2021

Role: Software Developer

Responsibilities:

- ▶ Developed multiple applications (**VSGC application** and **GRAWARD application**) using Django, for the Airport Cooperative Research Program (ACRP), a program of the Transportation Research Board for students to apply and evaluate submitted applications based on the design area selected.
- ▶ Worked on multiple apps under a single project using Django (Python) framework.
- ▶ Used client-side and server-side development for the apps.
- ▶ Delivered content using HTML, CSS, JS and deployed the app to production using Linux and Apache web server.
- ▶ Provided data using JSON fixtures and maintained version control with Git.
- ▶ Wrote SQL queries for storing and fetching information from the database.
- ▶ Developed app on AWS for testing and used AWS cloud services like EC2, IAM, Elastic

- Load Balancer, and S3 for server infrastructure while monitoring RDS with Postgres.
- ▶ Implemented jQuery-controlled CSS for enhancing content modules and developed custom reports using HTML, Python, and MySQL.
- ▶ Built database Model, Views, and APIs using Python for web-based solutions and placed data into JSON files using Python to test Django websites.
- ▶ Established database connections for Python by configuring packages like MySQL Python.
- ▶ Resolved user problems in a timely and accurate manner as part of EndUser support team.
- ▶ Prepared and analyzed reports using Python libraries and involved in environment setup.
- ▶ Utilized Python and Django to interface with jQuery UI and managed the storage and deletion of content.
- ▶ Developed and tested many features for the dashboard using Python, CSS, and jQuery.
- ▶ Wrote Python scripts to parse XML documents and load data into the database.
- ▶ Identified and helped to resolve application environment issues such as connection firewall issues, cloud configuration issues, and Linux problems.
- ▶ Collaborated with designers, product managers, and other developers to ensure software solutions met customer needs.
- ▶ Wrote efficient, reusable, and maintainable code to support software development activities.
- ▶ Develop programs to automate the testing of controller in CI/CD environment using Python, Bash script, Git and Linux command line.
- ▶ Participated in code reviews and technical discussions to ensure code quality and best practices.
- ▶ Tested and debugged software applications to ensure functionality and performance.
- ▶ Provided technical support to customers and end-users as needed.

Company: BIS

May 2019 - Aug 2019

Role: Software Developer

Responsibilities:

- ▶ Representation of the system in hierarchy form by defining the components, subcomponents using Python and developed set of library functions over the system based on the user needs.
- ▶ Developed tools using Python, Shell scripting, XML to automate tasks.
- ▶ Enhanced by adding Python XML SOAP request/response handlers to add accounts, modify trades and security updates.
- ▶ Build and deployed the code artefacts into the respective environments in the Confidential Azure cloud.
- ▶ Implemented RESTful Web-Services for sending and receiving the data between multiple systems.
- ▶ Developing scalable and reusable database processes and integrating them.
- ▶ Worked on SQL and PL/SQL for backend data transactions and validations.
- ▶ Installing and automation of application using configuration management tools Puppet and Chef.
- ▶ Using python NLTK tool kit to be used in smart MMI interactions.
- ▶ Supported development of Web portals, completed Database Modelling in PostgreSQL, front end support in HTML/CSS, jQuery.
- ▶ Assess the infrastructure needs for each application and deploy it on Azure platform.
- ▶ Involved in various phases of the project like Analysis, Design, Development, and Testing.
- ▶ Developed a Front-End GUI as stand-alone Python application.
- ▶ Debug application deployments on multiple levels.
- ▶ Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
- ▶ Trained and documented initial deployment and Supported product stabilization / debugging at the deployment stage.

- ▶ Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using FlaskSQLAlchemy and PostgreSQL.
- ▶ Used Django & Flask framework for API creation and application development.
- ▶ Used private Git for the version control.

Ramya Bondalapati

- Oak Hill, VA, US

Contact Information

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Summary

I'm a **Python** Web Application Developer with over 5 years of experience. I specialize in creating web applications using **Python** and related technologies. My expertise includes working with popular frameworks like Flask, Django, and more. I'm comfortable with both Windows and Linux environments, and I have a strong grasp of various database systems, including MySQL, **Oracle**, MongoDB, and more. My skills extend to front-end development with HTML, CSS, JavaScript, and Bootstrap. I'm well-versed in cloud services, such as AWS and Azure, and have experience deploying applications on these platforms. I'm also familiar with Docker, Kubernetes, and Ansible for containerization and deployment. My agile approach to development, including Test Driven Development and SCRUM, allows me to work effectively in dynamic teams. I enjoy solving real-world problems with **Python** and continuously learning in the ever-evolving tech world. Let's connect to discuss potential opportunities or share insights in the field of technology. I'm open to collaboration and always excited to take on new challenges.

Work History

- **Python** Developer Akasa
- **Python** Developer Qualcomm
- **Python** Developer Old Dominion University Research Foundation
- **Python** Developer BIS

Education

- **Masters** | Old Dominion University

Skills

- **ansible** - 4 years
- **amazon web services** - 4 years
- **api** - 4 years
- **bash** - 4 years
- **cloud** - 4 years
- **continuous integration** - 4 years
- **css** - 4 years
- **database** - 4 years
- **debugging** - 4 years
- **django** - 4 years
- **git** - 4 years
- **html** - 4 years
- **javascript** - 4 years
- **json** - 4 years
- **mysql** - 4 years
- **python** - 4 years
- **qa** - 4 years
- **revision control** - 4 years
- **software** - 4 years
- **software development** - 4 years
- **sql** - 4 years
- **xml** - 4 years

Work Preferences

- Desired Work Settings: Remote or On-Site or Hybrid
- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 50%
- Preferred Location:
 - Charlotte, NC, US
 - McLean, VA, US
 - Atlanta, GA, US
- Work Authorization:

- US
- Work Documents:
 - Have H1 Visa
- Security Clearance: False
- Third Party: False
- Employment Type:
 - Full-time
 - Contract - Corp-to-Corp
 - Contract to Hire - Corp-to-Corp
 - Contract to Hire - W2

Profile Sources

- linkedin: <https://www.linkedin.com/in/ramya-b-036a96240>
- Dice:
<https://www.dice.com/employer/talent/profile/8ba7a8447b32e3d3bfc7b8e402212875>