

Chaitanya Dayanand Chaudhari

+1 682-298-7936 | chaitanyadchaudhari@gmail.com | Seattle, WA, USA | www.linkedin.com/in/chaitanyadchaudhari

SKILLS

Programming Languages: Java, Python, C#, PHP, APEX
Web Technologies & Frameworks: JavaScript, Spring Boot, React.js, Vue.js, Node.js, Bootstrap, HTML5, CSS3, ASP.NET
Databases Systems: Oracle DB, MySQL, MS SQL Server, DynamoDB, SQL, NoSQL, SOQL
Cloud Services & Libraries: Amazon Web Services(AWS), Microsoft Azure, NumPy, SciPy, Matplotlib, nltk, pandas, Boto3
Tools and other Technologies: IntelliJ, Visual Studio, WordPress, Git, XML, JSON, Jupyter Notebook, Fast API, Rest API, Docker

PROFESSIONAL WORK EXPERIENCE

Software Development Engineer, Amazon [Java, JavaScript, React.js, Vue.js, HTML5, CSS3, DynamoDB, Git]

Seattle, WA, USA July 2022 - Present

- Utilizing AWS Key Management System (KMS) and Identity and Access Management (IAM) Groups, implemented a Lambda function to generate secure links for users. These links are integrated into a CSV file, then uploaded to an S3 bucket, and eventually used by end users to securely access the data through these links.
- Enforced user-level access for Case Management System through a signature-based (token-based) implementation reducing fraudulent access issues by 90%.
- Utilizing HTML5 data attributes, incorporated signatures (tokens) into radio buttons, checkboxes, and select HTML elements during page load. These signatures are verified against element values during relevant actions.
- Enhanced Tier-1 authorization service's pipeline by enabling stress testing using a TPS Load Generator to simulate traffic via a customizable API invocation ensuring service availability of 99.99%.
- Migrated Vue-based widgets to React widgets, enabling iframe-based rendering for improved scalability.
- Restructured a legacy service by reorganizing its 132 APIs into 3 separate services, prioritized based on API criticality.
- Configured a CloudWatch dashboard for each service, capturing total API calls and failure rates to enhance visibility. Utilized CloudWatch Alarms to initiate ticket generation upon surpassing predefined failure count thresholds, preemptively mitigating critical failures.
- Modernized outdated web pages by leveraging the Amazon Katal framework and Vue.js, refreshing the user interface with a revamped look.
- Systematic identification and resolution of root causes behind the user-reported defects led to a remarkable 60% decrease in reported issues, resulting in improved system performance, user experience, and overall reliability.

Software Engineer, AtoS [C#, ASP.NET, MS SQL Server]

Mumbai, Maharashtra, India July 2017 - August 2020

- Worked with development team to develop ticketing tool for internal use within the organization using C# which was a three-layered ASP.NET web application allowing the employees to raise an issue or create a new change request.
- Scripted SQL procedures for assigning tickets automatically once created based on the ticket priority, modifying the database tables after a ticket is created or user modifies the ticket.
- Integrated email functionality for sending the ticket details to the user after creation, notifying the user with the ticket details after every update on the ticket and informing the employee after a ticket is assigned.
- Ticketing tool application prevented the organization from using third-party ticketing tool solutions thereby saving up to 55,000 USD per year and other costs related to the maintenance of the same.

EDUCATION

University of Texas at Arlington, Arlington, TX, USA, (GPA- 3.643/4.0) August 2020 - May2022

Master of Science in Computer Science

Coursework: Web Data Management, Data Mining, DBMS Models & Implementation, Advanced Database Systems, Distributed Systems, Data Analysis & Modeling Techniques, Design & Analysis Algorithm.

University of Mumbai, Mumbai, Maharashtra, India, (GPA- 3.5/4.0) June 2013 - June 2017

Bachelor of Engineering in Electronics and Telecommunication Engineering

Coursework: Object Oriented Programming, Structured Programming Approach, Computer Communication Networks.

PROGRAMMING PROJECTS

Multithreaded Chat and File Sharing Distributed System [C#, Socket Programming, ASP.NET]

- Created client-server architecture using multithreading and socket programming in C# using ASP.NET framework.
- Engineered the system in such a way that n-number of clients can share messages or small files seamlessly with the server.
- Achieved file transfer using File Transfer protocol enabling file sharing between the server and the clients.
- Implemented a backup server that will take the responsibilities of the primary server in case of failure of the primary server.

Catalogue Management System [PHP, Laravel, MySQL, JavaScript, WordPress, HTML5, CSS3]

- Developed interactive and dynamic catalogue management system website with three privileged roles (Student, Staff, Admin) using PHP/Laravel accomplishing role-based access.
- Designed in such a way that students can register for a course from the courses made available by the staff, who can also make changes to course details and only admin had access to the user data allowing him to add, edit or delete the user.
- Implemented mail function wherein the login credentials are sent to the users via e-mail after registration.

Web Application Development on Cloud Platforms [Python, Flask, JavaScript, HTML, CSS, AWS, Microsoft Azure]

- Developed and hosted multiple web applications to perform various SQL queries on the earthquake dataset.
- Introduced caching using Redis on Azure for faster execution of queries which improved system performance by around 40%

Automatic Text Summarization [Python, Jupyter Notebook, nltk, spacy]

- Designed Python application which identifies the meaningful information in the document and compressing it to shorter version preserving its overall meaning.
- Data preparation, which is data cleaning, transforming, removing stop words was achieved by using nltk, spacy libraries.
- Using Long Short-Term Memory (LSTM), the text with hundreds of lines was shortened to a line or couple.

CERTIFICATIONS

- Microsoft Technology Associate: Software Development Fundamentals (MTA)
- Oracle Database 11g: SQL Fundamentals I