**SUMANTH SIRIMALLA**

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**Role:** Java Full Stack Developer

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**PROFESSIONAL SUMMARY:**

* Highly skilled and results-driven **Full Stack Developer** with over 5 years of experience in designing, developing, and maintaining web-based applications.
* Demonstrated ability to thrive in **Agile development** methodologies, contributing significantly to Scrum processes.
* Involved in **sprint planning**, **daily stand-ups**, and **retrospective meetings**, fostering continuous improvement.
* Adept at utilizing Java technologies, **Spring frameworks**, and modern Front-End frameworks like **AngularJS**.
* Proficient in **Vue.js and Vue 3**, utilizing their powerful features and component-based architecture to develop dynamic and responsive user interfaces for modern web applications.
* Experienced in utilizing **Node.js** to build scalable and efficient server-side applications, leveraging its asynchronous event-driven architecture to handle high concurrency and I/O-intensive operations effectively.
* Applied responsive design principles in **Angular 12** projects, ensuring seamless user experiences across various devices and screen sizes.
* Expertise in designing and implementing **RESTful web services**, ensuring efficient communication between components.
* Experienced in implementing **Microservices architecture**, **RESTful web services,** and cloud technologies such as **AWS and Azure.**
* Known for innovative **problem-solving** and designing effective solutions that align with business objectives.
* Proficiently employed **Cucumber** to streamline communication and ensure alignment between stakeholders, testers, and developers, facilitating the definition and validation of application behavior through feature files and step definitions.
* Demonstrated proficiency in programming, leveraging extensive experience to develop scalable and efficient solutions.
* Capable of architecting solutions that balance performance, scalability, and maintainability.
* Extensive experience in implementing **Microservices** architecture, contributing to enhanced system flexibility, scalability, and ease of maintenance.
* Proficient in using **Jasmine and Karma** for unit testing and test-driven development (TDD), ensuring the delivery of high-quality, reliable code by implementing comprehensive test coverage for JavaScript applications.
* Experienced in integrating **Jasmine and Karma** into **CI/CD pipelines**, facilitating automated testing and continuous integration to maintain code integrity and streamline the development process.
* Proficient in leveraging **GraphQL within Django** projects to optimize data retrieval, providing a robust and efficient solution for querying, and manipulating data, ultimately enhancing application performance and developer productivity.
* Experience in developing **Django**-based projects, adepts at crafting **RESTful APIs**, implementing user authentication and authorization and designing intuitive user interfaces to meet client requirements and enhance your user-experience.
* Proficient in building loosely coupled and independently deployable services.
* Proficient in designing and implementing complex **SQL queries, stored procedures, and triggers** to ensure data integrity and enhance system performance.
* Applied in-depth knowledge of **MongoDB's** document-oriented structure to design scalable and flexible database schemas.
* Skilled in creating dynamic and responsive user interfaces to enhance user experience.
* Proficient in deploying applications, managing resources, and ensuring security in cloud environments.
* A team player with the ability to work seamlessly with diverse team members to achieve project goals.
* Experienced in architecting and managing cloud environments utilizing **AWS** services for cost-effective and high-performance solutions.
* Skilled in setting up **CI/CD** pipelines using **AWS Code Pipeline, Code Build**, and **Code Deploy** to streamline development and deployment processes.
* Proficient in using **GitHub's** issue tracking system to report bugs, suggest enhancements, and track project milestones.
* Focused on understanding client needs and delivering solutions that exceed expectations. Proven ability to translate complex technical requirements into user-friendly applications.
* Proficient in troubleshooting and debugging issues in **Docker and Kubernetes** environments, ensuring smooth and error-free operation of containerized applications.

**TECHNICAL SKILLS:**

**Languages:** Java 11, Python, SQL, JavaScript

**Frameworks:** Spring Framework, AngularJS, Hibernate, Apache Kafka

**Web Technologies:** HTML, CSS, jQuery, Spring AOP, Inversion of Control (IoC), Dependency Injection

**Web Service Frameworks:** Spring, Spring boot, Hibernate, Struts, RESTful, SOAP

**Databases:** MySQL, MongoDB, Cassandra, SQL Server, JDBC

**DevOps/CI-CD:** Jenkins, Docker, Kubernetes, AWS, Azure, Git

**Testing Tools:** Junit, Jasmine, Karma, Mockito, Selenium, SoapUI, Protractor

**Cloud Technologies:** AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes

**Version Control:** Git, SVN

**PROFESSIONAL EXPERIENCE:**

**Delta Airlines, Atlanta, GA - Full Stack Developer** *Mar 2023– Present*

* Demonstrated expertise in various programming paradigms, including object-oriented and functional, to design and implement efficient software solutions.
* Developed and maintained behavioral health mobile applications using **Angular 8,** ensuring a seamless user experience.
* Utilized **Angular** built-in mechanisms for state management and Microservices architecture for scalability.
* Implemented **Java and Spring Boot** to create **REST APIs** for efficient data communication.
* Designed, developed, and tested **HTML5, CSS3, Bootstrap, JavaScript, jQuery, and Angular 8** components that meet accessibility and web browser standards.
* Led the migration of the **AWS infrastructure** from Elastic Beanstalk to Docker with **Kubernetes.**
* Transitioned existing monolithic architecture to microservices and migrated them to the **AWS cloud.**
* Developed Spark applications using Java to handle data from various sources. Stored raw data in **MongoDB** and implemented real-time processing using Spark streaming with **Kafka.**
* Implemented **Spring Boot microservices** for message processing within the **Kafka cluster.**
* Leveraged **Vue.js** to develop dynamic and responsive user interfaces, harnessing **Vue's** reactivity system and component-based architecture to create interactive web applications with enhanced user experiences.
* Adopted **Vue 3's Composition API** to manage state and logic more effectively, utilizing features like **ref, reactive, and computed properties** to streamline code organization and improve maintainability in large-scale Vue.js projects.
* Implemented robust server-side applications using **Node.js**, harnessing its event-driven architecture for high performance and scalability.
* **Developed and executed unit tests using Jasmine and Karma** to ensure the functionality and reliability of Angular components, leading to enhanced code quality and reduced bugs in production.
* Implemented **GraphQL APIs in Django applications** to streamline data fetching and manipulation, leveraging its efficient query capabilities and reducing over-fetching or under-fetching of data, resulting in improved performance and scalability.
* Developed a comprehensive e-commerce platform using **Django framework**, incorporating features such as user authentication, product catalog management, order processing, and payment gateway integration.
* Implemented behavior-driven development (BDD) practices using **Cucumber** to create automated tests with readable and executable specifications, ensuring alignment between business requirements and software functionality.
* Employed **Django's templating engine** to create dynamic and responsive user interfaces, ensuring a smooth shopping experience for customers.
* Implemented **JSON Web Tokens (JWT**) for secure authentication and authorization, providing a stateless mechanism to verify the identity of clients accessing web applications, enhancing security and user privacy.
* Implemented **GitLab** for version control and collaborative development workflows, ensuring efficient code management and team collaboration.
* Developed **Mockito and JUnit test cases** to ensure code coverage and created **JSON** requests validated using **Postman Interceptor and Swagger UI**.
* Utilized **AWS Lambda functions** to implement serverless architecture, enabling efficient and cost-effective execution of code in response to various triggers, ensuring scalability and flexibility in application development.
* **Implemented and managed AWS cloud infrastructure** for various applications, ensuring high availability and disaster recovery.
* Set up **CI/CD pipeline processes** using **Jenkins and utilized Apache Maven** for application build and deployment.
* Proven ability to debug code effectively, ensuring high-quality, error-free software delivery.

**Environment:** Angular, Flux, Spring boot, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AWS, Kafka, MongoDB, Python, Django, JSON, CI/CD, Mockito, JUNIT, Microservices, Kubernetes, Postman, Swagger UI, Jenkins, Maven

**Ever North, Morris Planes, NJ - Full Stack Java Developer** *Feb 2022 – Feb 2023*

* Designed and implemented full-stack architecture, integrating Front-End **Angular** applications with Java-based Backend services, ensuring seamless communication and data flow.
* Implemented responsive web design principles using **AngularJS** and **Angular**, ensuring seamless user experiences across various devices and screen sizes.
* Implemented **NGRX** Effects and Actions for handling **Asynchronous operations** and side effects in **Angular** applications, enhancing the predictability of state changes.
* Leveraged advanced features in **Angular** such as **Angular Modules**, **Reactive Forms**, and **Angular Services** to build modular and maintainable **front-end** components.
* Extensive experience in the **Java Spring ecosystem**, including **Spring Boot** and Spring Security, to develop robust and secure **RESTful web services**.
* Managed day-to-day operations of mission-critical databases, implementing routine maintenance tasks and monitoring procedures to ensure optimal database performance.
* Managed and administered multi-datacenter **Cassandra clusters**, ensuring high availability, fault tolerance, and optimal performance of **NoSQL databases**.
* Utilized **Jenkins CI/CD pipelines** for automating the **build, test, and deployment** processes, resulting in efficient and reliable software delivery.
* **Integrated Jasmine and Karma** with Jenkins for automated testing, enabling continuous integration and continuous delivery (CI/CD) practices, which improved the efficiency and reliability of the development lifecycle.
* Led initiatives in **healthcare application development**, leveraging **AngularJS, Angular**, and **Spring Boot**. Applied responsive design principles to healthcare projects, ensuring accessibility across various devices.
* Utilized **Node.js** to develop **RESTful APIs** and backend services, leveraging its non-blocking I/O model to handle concurrent requests efficiently.
* Utilized **Cucumber** to facilitate collaboration between **stakeholders, testers**, and developers by providing a common language for defining and validating application behavior through feature files and step definitions.
* Implemented container-based deployments using **Docker** for **Containerization** and **Kubernetes** for **Orchestration**, streamlining the deployment and scaling of applications.
* Collaborated with cross-functional teams, including designers, **Backend developers**, and **QA** engineers, to deliver **end-to-end solutions** that meet business requirements.
* Designed and implemented full-stack architecture, integrating Front-End **Angular** applications with Java-based backend services, ensuring seamless communication and data flow.
* Enforced code quality standards and practices, incorporating **unit testing, integration testing**, and **end-to-end testing** in the development lifecycle.
* Executed end-to-end testing scenarios using **Selenium and Protractor**, validating the functionality and user interactions of complex web applications.
* Managed **Azure Virtual Networks**, ensuring optimal connectivity and network performance for diverse applications and services.
* Implemented **Azure Active Directory** for **Single Sign-On (SSO) authentication** and permissions management, enhancing security and user experience.
* Engaged with the **GitHub** community by participating in discussions, forums, and providing assistance to fellow developers.
* Utilized **Azure Kubernetes** Service for container orchestration, deploying and managing containerized applications at scale with ease.

**Environment:** AngularJS, Spring boot, Docker, Kubernetes, Unit Testing, Selenium, Protractor, Azure Active Directory, SSO, GitHub, Azure Kubernetes Service

**Keltontech solutions, HYD-India-Java Developer** *Jun 2018 – July 2020*

* Actively participated in **Agile methodologies**, including Scrum, Sprint Planning, Daily Standups, and Sprint Reviews.
* Played a key role in the development and enhancement of **server-side functionalities**, ensuring optimal **performance and reliability**.
* Contributed to the creation and maintenance of robust **APIs**, focusing on delivering seamless interactions between frontend and backend systems.
* Collaborated with **cross-functional teams** to identify and **resolve backend-related** issues, ensuring smooth integration with frontend components.
* Employed **Spring AOP** for modularizing cross-cutting concerns such as **logging, security,** and **transactions.**
* Implemented **Inversion of Control (IoC)** and **Dependency Injection (DI)** principles for loose coupling and easier maintenance.
* Collaborated with application developers to design and optimize database schemas, ensuring efficient data storage and retrieval in alignment with business requirements.
* Ensured optimized database performance through effective query design and indexing strategies.
* Conducted performance **optimization tasks, identifying**, and addressing bottlenecks to improve overall backend efficiency.
* Developed **microservices** using **Spring Boot**, promoting rapid development and deployment.
* Implemented security measures within the **Backend**, ensuring secure data transmission and storage.
* Assisted in the **design and implementation** of scalable **Backend architecture**, addressing potential scalability challenges.
* Worked closely with **frontend development** teams to understand requirements and ensure seamless integration of frontend and backend components.

**Environment:** Spring AOP, Spring Boot, Microservices, IOC, DI, API

**EDUCATION:**

* Bachelor of Engineering from JNTU, HYDERABAD (2014-2018)
* Master’s in computer science at Governors State University (2020-2021)

**Academic Projects:**

eLearning (SQL, Bootstrap, Visual Studio, IDE IntelliJ) (2021)

Planning Management Project (MOBILE APP DEVELOPMENT) – Kotlin, AWS, SQL, Swift for iOS (2018)

**Certifications:**

AWS Certified Cloud Practitioner