Anudeep Allamsetty

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PROFESSIONAL SUMMARY

Senior Java Full Stack Developer with 4 years of experience building scalable, cloud-native applications using **Java (8-17), Spring Boot, Microservices, React, Angular, and AWS/Azure**. Proven expertise in **GraphQL, Kubernetes, CI/CD (Tekton, ArgoCD), and event-driven architectures (Kafka, RabbitMQ)**. Achieved **40% faster response times & 50% improved deployment efficiency** by optimizing system performance and automation. Passionate about driving innovation in high-performance software development.

TECHNICAL SKILLS

- **Languages**: Java (8-17), JavaScript, TypeScript, SQL, Python
- **Frontend**: React.js, Angular (8-17), HTML5, CSS3, Bootstrap, JQuery
- **Backend**: Spring Boot, Microservices, Hibernate, Node.js, RESTful APIs, GraphQL
- **Cloud & DevOps**: AWS (S3, EC2, Lambda, CloudFormation), Azure DevOps, Docker, Kubernetes, Jenkins, Terraform
- **Databases & Messaging**: PostgreSQL, MySQL, MongoDB, Kafka, Redis
- **CI/CD & Testing**: Git, GitHub Actions, JUnit, Selenium, Cypress
- **Architecture & Tools**: Design Patterns, OOP, WebSockets, Parallel Processing

PROFESSIONAL EXPERIENCE

Software Engineer | Green Dot Corporation — January 2024 – March 2025

- Led end-to-end **Software Development Life Cycle** (**SDLC)** phases, ensuring 100% project alignment with client goals and reducing delivery time.
- Engineered a microservices-based architecture using **Java 11**, **Spring Boot**, and **RESTful APIs**, increasing system scalability and reducing module dependency.
- Built an **Angular 17**-based **web app**, reducing **API** response times through optimized **Web API integration**.
- Designed intuitive and **mobile-friendly** web pages using **HTML5**, **CSS, SCSS**, and **Bootstrap**, achieving cross-browser compatibility and improving user engagement.
- Created reusable **Angular components** and implemented advanced features like **data binding**, **event binding**, **Angular Pipes**, and **dynamic routing**, enhancing code maintainability and performance
- Implemented **AG Grid** for robust **data visualization**, incorporating **server-side pagination**, **filtering**, and **custom cell** rendering to handle datasets with over **1 million** records efficiently.
- Integrated secure **JWT-based authentication**, achieving 99.9% system uptime, while monitoring application health using **Azure Monitor** and **Application Insights**.
- Achieved 96% test coverage by designing and executing unit and integration tests using **Jasmine** and **Karma**, ensuring high-quality code and fewer production defects.
- Deployed and managed scalable **containerized applications** using **Azure Kubernetes Service** (**AKS**), improving deployment efficiency.
- Authored comprehensive **API documentation** with **Swagger**, streamlining team collaboration and reducing onboarding time for new developers. Optimized database performance by designing schemas on **MySQL**, and **Cassandra**, reducing query execution time.
- Developed **GraphQL subscriptions** using **Kafka & WebSockets**, enabling real-time transaction updates for 100K+ concurrent users with **sub-100ms latency**.
- Configured message queuing systems like **RabbitMQ** and **Kafka**, enabling efficient asynchronous communication and processing of over 10,000 messages per second.
- Automated configuration management using **Chef, Puppet** and **Ansible**, creating custom **cookbooks** and **recipes** to streamline system operations.
- Optimized **Angular state management using NgRx**, implementing **Effects and Selectors** to manage UI state efficiently, reducing component re-renders.
- Developed **reusable UI** components in **Angular components** and implemented features like **Interpolation, Input Variables, NgFor, NgIf, and Router Outlet** for **dynamic workflows.** Enhanced **Lazy Loading & Code Splitting** in **Angular** applications, reducing initial page load times.
- Optimized **UI performance** by implementing **Virtual Scrolling & Change Detection Strategy (OnPush)**, improving render speeds for large datasets.

Full Stack Java Developer | Cognizant INC, India — August 2021 – May 2022

- Transformed a monolithic **Java-based** application into a microservices architecture using **Java 11**, **Spring Boot**, and deployed it on **AWS ECS**, increasing scalability and reducing deployment downtime.

- Designed and implemented **OAuth2** authentication, securing **API** access for 100K+ daily user sessions and ensuring data privacy compliance.
- Developed **Single Page Applications** (**SPAs**) with **React.js**, achieving a 20% improvement in page load speeds by integrating optimized **REST API** calls with **Java-based services**.
- Developed modular **React components using Hooks (useState, useEffect, useContext)**, optimizing state updates and reducing unnecessary renders.
- Implemented **Redux Toolkit & React Query** for efficient state management, reducing API over-fetching and improving performance.
- Created responsive UI components using **HTML5** and **CSS3**, ensuring a seamless **user experience** across **desktop** and **mobile devices**.
- Streamlined database persistence with **Hibernate** and **JPA ORM frameworks**, leveraging **Java DAOs** to improve query execution times by 25%.
- Deployed **microservices** using **Kubernetes with Helm Charts**, improving deployment automation and reducing manual interventions.
- Integrated **API Gateway (Kong, AWS API Gateway)** to manage **microservices**, improving security and request routing.
- Authored **SQL queries**, **PL/SQL** stored procedures, triggers, and packages for **PostgreSQL** databases, ensuring efficient data processing for **Java applications** managing 1M+ records.
- Applied **Object-Oriented Design** (**OOAD**) principles and **Java Enterprise Edition** (**J2EE**) patterns (e.g., **MVC, Singleton, Factory**) to build scalable and maintainable system architectures.
- Led **Agile** sprints with **Test-Driven Development** (TDD) practices, achieving 95% code coverage for **Java** business logic and **REST API** endpoints with **JUnit**.
- Automated **CI/CD** workflows using **Jenkins**, **Maven**, and **GitHub Actions**, reducing deployment cycle times and increasing build reliability.
- Optimized **GraphQL query resolvers** by integrating caching with **Redis**, improving response times for complex queries.Integrated **Redis** caching into the **Java backend**, decreasing average application latency during high-traffic periods.
- Resolved production issues by analyzing logs with **Splunk** and **ELK Stack**, achieving reduction in downtime and ensuring system availability. Utilized **ElasticSearch for faster querying**, reducing search latency .
- Designed and deployed a **Spring MVC architecture**, improving application maintainability and modularity.Created reusable **JavaBeans** and business logic components, reducing development time for future projects by 30%.

Java Developer | Safran, India **August 2019 – July 2021**

- Collaborated in an **Agile/SCRUM** environment with **cross-functional teams** to deliver iterative **software solutions**, achieving a 15% reduction in sprint delivery timelines.
- Engineered backend logic using **Core Java**, leveraging advanced features like **Collections Framework**, **Multithreading**, and **Concurrency** to enhance processing efficiency by 30%.
- Integrated messaging systems using **Spring JMS** and **IBM MQ**, enabling **asynchronous communication** and processing over **50,000 messages** daily.
- Designed and managed database schemas, **PL/SQL** stored procedures, **triggers**, and views for **Oracle databases**, supporting over 1 million records with zero data loss.
- Created user interfaces with **JSP** and **Bootstrap**, achieving cross-browser compatibility and enhancing user experience by 25%.
- Developed **RESTful APIs** with **Spring Boot** facilitating seamless integration with external systems and achieving a 20% improvement in **API response times**.
- Optimized CI/CD pipelines by leveraging **Tekton for automated builds & testing** and **ArgoCD for GitOps-driven Kubernetes deployments**, reducing release cycle time by 40%.
- Configured **NGINX** for **load balancing**, maintaining high availability and supporting 99.9% uptime for applications serving thousands of concurrent users.
- Designed **POJOs** and implemented **Hibernate ORM** for seamless data persistence, reducing database interaction errors. Validated **software quality** through unit and **integration testing** using **JUnit** and **Mockito**, achieving 95% test coverage and minimizing production defects.
- Utilized **AppDynamics and DataDog** for performance monitoring, improving issue resolution time by **30%**.

EDUCATION

- **Master's in Computer Science**
  University of Central Missouri August 2022 – May 2024
- **Bachelors of Technology**
  Velgapudi Ramakrishna Siddhartha Engineering College June 2017 – June 2021