

PAVANI CHUNDURI

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FULL STACK DEVELOPER | CLOUD ENTHUSIAST

Highly skilled Software Engineer with over 3 years of experience, proficient in front-end and back-end technologies mainly HTML, CSS, React, Angular, Java, Spring Boot, and AWS. With a proven track record of delivering innovative solutions across diverse tech environments, I specialize in full-stack development, from architecting microservices solutions to enhancing user interfaces.

TECHNICAL SKILLS

Languages:	Java, Python, JavaScript, TypeScript, C, C#, C++
Web Development:	HTML, CSS, JSON, Node.js, REACT JS, Angular JS, Spring Boot, REST API, Bootstrap, Tailwind, Figma
Database Technologies:	MySQL, SQL Server, MongoDB, DynamoDB, Entity Framework, Redis
Distributed Technologies:	Kafka, Prometheus, Producer-consumer pattern, Microservices
Cloud:	Amazon Web Services, GCP, AZURE
DevOps:	Jenkins, Git, GitHub, Jira, GitHub Actions, Docker, Kubernetes
Testing Tools and other:	Jest, React Testing Library, JUnit, Unit testing
Other Tools :	Maven, Gradle, Postman, Unix, Oracle, Linux, , Jira, RabbitMQ, Agile

WORK EXPERIENCE

DataFlake

August 2023 – June 2024

Software Engineer

- Implemented a **secure** and **high-performance code** by reducing code vulnerabilities by 15% and increased feature performance by 10% through strategic implementation in a **Linux** environment, resulting in enhanced user satisfaction and productivity.
- Migrated client's platform from a **modular monolithic architecture to a Spring Boot microservices solution**, reducing sluggish responsiveness, boosting user experience and platform performance by 20%.
- Developed and maintained automated UI tests using **Selenium WebDriver**, increasing test coverage by 20% and reducing manual testing time by 30%.
- Designed and implemented data pipelines to ingest and index data from various sources like databases, flat files, APIs into **Elasticsearch**.
- Collaborated closely with **cross-functional teams** to incorporate user feedback and iterate on features, ensuring a user-centric approach.
- Developed RESTful APIs using Spring Boot to integrate multiple systems and services, enabling seamless data exchange and improving platform scalability, resulting in a 15% reduction in system downtime.
- Led the optimization of database queries using Hibernate, reducing query execution time by 25% and significantly improving application response times for end users.

California State University Long Beach

January 2022 – December 2022

Graduate Assistant

- Implemented Single Sign-On (SSO) based **OAuth2 JWT** authentication and maintained the session state information throughout the application and third-party software.
- Transitioned existing **RESTful APIs** to **GraphQL** for interactive web-based solutions, streamlining data access, reducing payload sizes, and improving performance for a more responsive user experience.
- Enhanced microservices architecture by skillfully utilizing **Express.js, and ES6**, creating efficient interfaces that facilitated smooth interactions with **MongoDB**, ensuring robust data management.
- Reduced code complexity by 10% using **Java** and experienced in using **Java 8** features like **lambdas, streams, and functional** interfaces to write clean, concise, and maintainable code.
- Worked on Spring modules like **Spring core, Spring MVC, Spring Boot** and used **Spring Mongo Template** to integrate **Spring Framework** with **MongoDB**.
- Designed and implemented real-time data pipelines using **Kafka** for streaming high-volume sensor data, enabling near real-time analytics.
- Responsible for designing workflow for a Load Balancing micro service and integrating with **Spring boot application** to perform cloud orchestration using **Kubernetes** and manage cloud resources.

Grip Spark Foundation

August 2020 – July 2021

Software Engineer

- Built different **REST APIs** for RESTful services using **JavaScript**, and other node modules to serve the web application.
- Built interactive **React JS** applications, leveraging **Tailwind CSS** media queries. Expertise in creating reusable components, complex forms, and engaging animations.
- Demonstrated expertise in **Java Enterprise Edition (Java EE)** and developed Java EE applications using technologies such as **Servlets, JSP, EJB, and JPA**.
- Understood the subscription-based pricing model associated with **SaaS applications** and designed solutions with scalability and cost-efficiency in mind.
- Skilled in database access and manipulation using **JDBC** and **ORM** frameworks like Hibernate and JPA, ensuring efficient data storage and retrieval.
- Used **AWS RDS** service for deployment and management of **MySQL** for efficient and scalable data storage.
- Developed **Docker** containers and migrated On-premises virtual machines to **AWS EC2, Elastic Beanstalk, Elastic Container Service** based on the application needs and implemented **AWS IAM** key rotation using AWS Secrets Manager.
- Developed custom **Jenkins** jobs/pipelines that contained bash shell scripts utilizing the **AWS CLI** to automate infrastructure provisioning.
- Actively participated in **Agile SDLC ceremonies** and sprint planning meetings to ensure project milestones were met.

EDUCATION

Master's in computer science at California State University Long Beach

August 2021-May 2023

Coursework: Adv Topics in Programming Lang, Machine Vision, Adv Analysis of Algorithm, Adv Software Engineering, Adv Computer Architecture, Pattern Recognition, Hardware/ Software Co-design