PAVANI CHUNDURI

+1(626)-561-7356| Linkedin| pavanichunduri5028@gmail.com

FULL STACK DEVELOPER | AWS Certified Developer

Full Stack Developer with a solid background in developing responsive web applications, designing RESTful APIs, and optimizing code for performance and security. Strong foundation in cloud platforms, including AWS, Azure, and GCP. Technical expertise includes Java, JavaScript, TypeScript with experience in frameworks like React, Spring, as well as tools like Docker, Kubernetes, Jenkins, and Git.

TECHNICAL SKILLS

Programming Languages:	Java, JavaScript, TypeScript, Python, C#, C++, C
Web Development:	HTML5, CSS3, React.js, Vue.js, Angular.js, Node.js, Next.js
Frameworks:	React ,Spring, Django, FastAPI, .NET, HTTP
Cloud Platforms:	AWS, Microsoft Azure, GCP
DevOps Tools:	Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD Pipelines
Testing Tools:	JUnit, Jest, React Testing Library, Selenium, Cucumber
Database:	SQL, PostgreSQL, MySQL, Oracle, Couchbase NoSQL, RabbitMQ, DynamoDB
Other Tools:	Splunk, Elastic Stack, Maven, Gradle, Postman, Unix/Linux, Agile, TFS, Microsoft Office Suite

WORK EXPERIENCE

TechcloudUSA   **June 2024 – Present**
Software Engineer
- Developed dynamic and responsive web applications using JavaScript, HTML, and CSS, creating reusable React components and improving user experience by 15%.
- Collaborated with product partners to deliver high-quality UX and aligned development with customer-focused strategies.
- Designed and implemented RESTful APIs for seamless data exchange, optimizing performance and enhancing platform scalability.
- Participated in code reviews to ensure high-quality, maintainable code and adherence to best practices, reducing bugs by 20%.
- Reduced page load time by 20% through client-side performance optimizations using JavaScript and React.

DataFlake   **August 2023 – June 2024**
Software Engineer
- Utilized JavaScript, HTML, and CSS to build robust, secure, and efficient front-end solutions, reducing code vulnerabilities by 15%.
- Migrated client platforms from monolithic architecture to a Spring Boot microservices model, enhancing responsiveness and performance by 20%.
- Developed and maintained automated UI tests using Selenium, 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**
Software Engineer
- 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 2019 – 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.
- 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, Adv Analysis of Algorithm, Adv Software Engineering, Adv Computer Architecture

CERTIFICATIONS

- **AWS Certified Developer** – Associate from Amazon Web Services (AWS)
- **Infosys Certified Software Programmer**