

POOJITHA CHAPALA

Building the Future of Web Applications: Bridging Complex Problems with Simple Solutions

Dallas, Texas | 571-396-2779 | poojithachapala2604@gmail.com | LinkedIn - [Poojitha Chapala](#)

PROFESSIONAL SUMMARY

Senior Full Stack Developer with 6+ years of experience building scalable web and mobile applications across telecom, financial, conservation, and educational sectors. Specialized in Java 8+, Spring Boot, Angular, React and cloud technologies, with a proven track record of leading the development of microservices, enhancing user interfaces & streamlining deployment processes to drive significant improvements in system efficiency and user engagement. Notable achievements include leading the development of a large-scale Land Conservation system and delivering a 150% improvement in equipment filtering functionality for Verizon's ICON project, alongside achieving a 30% cost saving through strategic AWS optimizations. Eager to apply technical skills & leadership in challenging environments to deliver impactful user-centric applications.

WORK EXPERIENCE

Senior Full Stack Developer, Verizon, Texas

Apr 2022 - Present

- Developed and led 7-8 microservices for ICON and RAN projects using Spring Boot and RESTful API, enhancing system architecture and service efficiency.
- Improved equipment filtering functionality loading time by 150% with Angular in ICON project asynchronous REST API techniques, resulting in a 15% increase in page views using React in RAN project.
- Achieved 30% cost savings with AWS (S3, EC2, Lambda) by optimizing resource allocation and implementing auto-scaling.
- Enhanced database performance by migrating from MySQL to MongoDB, reducing database size by 20% and increasing transaction speed by 25%.
- Administered over 50 Docker and Kubernetes containers, boosting deployment speed by 20% and reducing post-release defects by 15% via feature toggles.
- Streamlined application builds with Jenkins and improved version control workflows with Git, decreasing page loading time by 10%.
- Facilitated the integration of 8 new team members, providing comprehensive knowledge transfer and ensuring seamless project involvement.

Full Stack Developer, Citi Bank, Texas

Aug 2021 - Apr 2022

- Excelled in Java 8 and Spring Boot, engineering a performance-optimized Citi web/mobile app focusing on modular, maintainable code.
- Maximized application performance by 12%, crafting REST APIs for account management with Kotlin and Python, ensuring seamless cross-platform functionality.
- Achieved a 20% decrease in cybersecurity incidents by implementing robust Spring security measures for a banking application.
- Developed and deployed scalable and efficient applications on a microservices architecture, leveraging Google Cloud Platform (GCP) services such as Google App Engine, Google Cloud Functions, and Google Kubernetes Engine (GKE).
- Crafted the database layer with Oracle, Hibernate, and Spring Data JPA, showcasing schema construction, relationships, and constraints expertise.
- Leveraged React with TypeScript for responsive UI development, resolving 100+ bugs and improving user experience across web and mobile platforms.

Student Software Developer, Northwest Missouri State University, Missouri

Sep 2020 - Apr 2021

- Dedicated 20 hours per week to developing and enhancing student-facing teaching applications.
- Crafted intuitive user interfaces for student teaching applications, significantly enhancing user experience and accessibility and developed many REST APIs to facilitate the online submission of assistantship by students.

Software Engineer, Thomson Reuters, India

Oct 2018 - Jan 2020

- Curtailed query response time by 30%, fine-tuning PostgreSQL database for a financial system, focusing on simplifying complex queries and indexing.
- Diminished integration time by 15% and enhanced overall system efficiency, creating reusable enterprise artifacts by creating APIs with Java web services (REST, SOAP).
- Steered user engagement metrics by 18% and elevated user interface, adopting AngularJs for front-end development.

- Spearheaded the development of a large-scale Land Conservation system for Ivory Coast, utilizing Java and Spring Boot for robust backend applications.
- Improved transaction speed by 25%, building APIs for payment processing, invoice management, and document generation.
- Designed and executed secure REST services, integrating OAuth and JWT tokens for seamless communication between applications.
- Employed Angular for the rapid design and development of single-page applications, ensuring secure account management across various portals.
- Slashed load times by 20% for a Land Conservation government project by perfecting application performance, applying caching mechanisms in Hibernate.
- Boosted application deployment, adopting Maven, and Tomcat servers on AWS EC2 Linux instances, and maintained version control using Bitbucket.
- Conducted Java training sessions for 5 freshers, receiving appreciation for providing real-world examples and fostering skill development.

TECHNICAL EXPERTISE

- **Languages & Frameworks:** Java 8+, J2EE, Spring Boot, Spring WebFlux, Spring Batch, C, C++, SQL, PL/SQL, XML, Python
- **Frontend Technologies:** Angular, React, TypeScript, HTML5, CSS, JavaScript, jQuery, AJAX, Vue.js, NodeJS
- **ORM & Databases:** JPA, Hibernate, MySQL, Oracle, MongoDB, PostgreSQL
- **Cloud Computing & Containerization:** AWS (EC2, IAM, S3, Lambda), GCP, Docker, Kubernetes
- **DevOps Tools:** Jenkins, Maven, Gradle, GIT, BitBucket, ANT
- **Web Technologies & Servers:** Servlets, JSP, JDBC, WebLogic, Apache Tomcat
- **Design & Debugging Tools:** Photoshop, Illustrator, InDesign, Fiddler, Firebug
- **Development Methodologies:** Waterfall, V-model, RUP, Agile, Scrum, TDD
- **Other Technologies:** OAuth, Elasticsearch, Logstash, Splunk, Kafka, Kibana, SOAP & REST Web Services, JSON Messaging

CERTIFICATIONS

ORACLE JAVA SE 11 DEVELOPER, *oracle*

Aug 2021

WEB DEVELOPMENT, *Ace web academy*

May 2016

KEY PROJECTS

ICON, Full Stack Developer, *Verizon*

Apr 2022 - Present

Tools and Technologies: Angular 8, Java 11, Microservices, Springboot, Gradle, REST API, JPA, Hibernate, Cucumber, JUnit, MySQL, PostgreSQL, MongoDB, Jenkins, Gitlab, AWS

- Enhanced equipment filtering functionality in UI, increasing loading speed by 150% through asynchronous JavaScript techniques.
- Improved API code reliability, boosting test coverage by 3% with 100+ JUnit test cases, and rectified 100+ legacy defects to stabilize the production environment.

Land Conservation, Full Stack Developer, *Seeftech*

Jun 2016 - Oct 2018

Tools and Technologies: Java 8, Spring Boot, Angular 6, Hibernate, Microservices, Mocha, JUnit, Kafka, Spring Cloud Netflix, Eureka, Zuul, Feign Maven, GitHub, MySQL 5.7, AWS (EC2, S3, RDS)

- Led the development of key microservices using Spring Boot and implemented internationalization in Angular, enhancing UI translation to 100%.
- Achieved a 30% improvement in application stability by rigorously testing RESTful web services.
- Mentored junior engineers, boosting team productivity by 25%, and received a bronze award for delivering high-quality, timely solutions.

EDUCATION

Master of Science in Information Systems

Jan 2020 - May 2021

Northwest Missouri State University | Grade A, GPA: 4.0