

Saichand Avanaganti

Email: s.avanaganti25@gmail.com

Ph# (314) 690-8771

Linkedin: <https://www.linkedin.com/in/saichand-avanaganti-04b389184/>

Full Stack Developer

SUMMARY PROFESSIONAL:

- **5+ years of experience building large-scale Java & Kotlin microservices in event-driven and service-oriented architectures.**
- Strong **Kubernetes** experience deploying 100+ services with Docker, GitLab CI/CD, and automated pipelines.
- Proficient in **containerization** using **Docker** and **Kubernetes**, and experienced in configuring **CI/CD pipelines** with **Jenkins**, **GitHub Actions**, and **GitLab CI**.
- Solid understanding of **Java 8–18** features including **lambda expressions**, **functional interfaces**, and **Stream API** for efficient backend logic.
- Experienced with **Spring Core**, **Spring Boot**, **Spring Security**, **Spring Data JPA**, **Spring Integration**, and **Spring Cloud** for enterprise-level backend systems.
- Skilled in **service-oriented** and **event-driven architectures** using **REST**, **SOAP**, **Apache Kafka**, **RabbitMQ**, **ActiveMQ**, and **Apache Camel**.
- Hands-on experience with relational databases such as **PostgreSQL**, **Oracle**, **MySQL**, and **MS SQL Server**, and NoSQL databases like **MongoDB**, **DynamoDB**, **Cassandra**, and **Redis**.
- Developed and deployed **cross-platform mobile applications** using **React Native**, **Kotlin**, and **Swift**, integrating them with **Firebase**, **Redux Toolkit**, and **RESTful backends**.
- Strong focus on **unit and integration testing** using **JUnit**, **Mockito**, **TestNG**, and **Spring Boot Test** to ensure high-quality, reliable code.
- Experienced in **Agile Scrum** environments, participating in all phases of the **Software Development Life Cycle (SDLC)** including design, development, testing, and deployment.
- Familiar with **frontend build tools** such as **Webpack**, **Babel**, and **NPM**, and UI frameworks like **Material UI**, **Tailwind CSS**, and **Bootstrap**.
- Skilled in **application monitoring** and **performance optimization** using **Grafana**, **Prometheus**, **Splunk**, **Dynatrace**, and the **ELK Stack**.
- Proficient with **version control systems** such as **Git**, **Bitbucket**, and **SVN**, and **project management tools** like **JIRA** for effective team collaboration.
- Experienced in **API documentation** and **testing** using **Swagger**, **OpenAPI**, **Postman**, and **Insomnia**.
- Knowledgeable in **software design patterns** such as **DAO**, **Singleton**, **Factory**, **Observer**, **DTO**, and **Facade**, ensuring scalable and maintainable architecture.
- Deployed and maintained enterprise applications on servers including **Apache Tomcat**, **WebLogic**, **WebSphere**, and **JBoss**.
- Strong understanding of **CI/CD automation**, **artifact management** using **Nexus** and **Artifactory**, and **environment configuration** across development, testing, and production stages.
- Integrated **authentication and authorization** mechanisms using **OAuth 2.0**, **JWT**, and **Spring Security** for secure access management across platforms.
- Designed and consumed **RESTful APIs** and **GraphQL endpoints** with advanced error handling, caching, and pagination using **Redis** and **Ehcache**.
- Experienced in **cloud deployment and monitoring** using **AWS Lambda**, **EC2**, **S3**, **CloudWatch**, **Azure App Services**, and **Azure DevOps Pipelines**.
- Skilled in using **code quality tools** such as **SonarQube**, **ESLint**, and **Checkstyle** to maintain clean, consistent, and maintainable codebases.
- Collaborated effectively in **Agile teams** using tools like **Confluence**, **Trello**, and **Slack** to manage sprints, documentation, and cross-functional communication.

TECHNICAL SKILLS:

Languages	Java (Core, 8–18), Spring Boot, Hibernate, Microservices, JavaScript (ES6+), TypeScript, React Native, React.js, Node.js, Next.js, Python
Java/EE Technologies	Core Java, Servlets, JSP, JSTL, JDBC, JMS, JNDI, EJB, Spring MVC, REST, SOAP, JAX-RS, JAX-WS, GraphQL, WebSockets
Frameworks	Spring, Hibernate, Struts, Microservice, React Native, React.js, Next.js, Angular, Vue.js, Express.js
Web & Mobile Technologies	HTML5, CSS3, JavaScript (ES6+), TypeScript, Bootstrap 4, jQuery, React Native, ReactJS, Angular, NodeJS, VueJS, ExpressJS, iOS, Android, Xcode, Android Studio, CocoaPods, Gradle, Fastlane, CodePush, TestFlight, App Store Connect, Google Play Console, APK/AAB Signing, Provisioning Profiles, Push Notifications (APNs/FCM), Deep Linking (Universal Links / App Links), In-App Purchases (StoreKit / Play Billing), Crashlytics, Sentry, Firebase Analytics, Mixpanel, Amplitude, Map SDKs (Google Maps, MapLibreGL), Bluetooth, Permissions Handling, WCAG 2.2 AA Accessibility
Databases	MySQL, PostgreSQL, MongoDB, Oracle, Cassandra, DynamoDB.
Web Services	SOAP, REST, JAX-WS, JAX-RS.
Version Control	GIT, GitLab, Bitbucket, SVN.
Operating system	Windows 10, Linux, Unix.
Modeling Tools	UML, MS Visio
Testing and Logging Frameworks	JUnit, Mockito, Spock, Groovy, Jasmine, Log4J, Cypress, Detox, Jest, SonarQube
Integration and Build Tools	Jenkins, Maven, Ant, Gradle, Confluence, Kafka, Fastlane
Cloud & DevOps Environments	AWS, Azure, Kinesis, Docker, Podman, Kubernetes, Jenkins, Git, CI/CD Pipelines
Monitoring Tools	Dynatrace, Grafana, Prometheus.
Others	JSON, AJAX, XML, JIRA, Gradle, JUnit, Mockito, Postman, Swagger, OpenAPI, Figma, WCAG 2.2 AA Accessibility

PROFESSIONAL EXPERIENCE:

Client: Office Depot
Java Full Stack Developer

May 2025 to Present

Responsibilities:

- Led development of **cross-platform React Native** applications for **iOS** and **Android**, implementing **reusable UI components** and **WCAG 2.2 AA accessibility** standards, reducing duplication by **25 %** and improving experience for **50 K+ users**.
- Integrated **OpenAI APIs** to deliver **GenAI chat**, **recommendation**, and **summarization** features inside mobile apps, boosting user engagement by **25 %**.
- Automated mobile release pipelines using **Fastlane**, **CodePush**, and **CI/CD** workflows; managed **TestFlight**, **App Store Connect**, and **Google Play Console** deployments for seamless OTA updates.
- Built secure backend services with **Node.js**, **PostgreSQL**, and **AWS Lambda / API Gateway / S3**, enabling reliable data exchange with mobile clients.
- Designed and maintained **Spring Boot microservices** and **REST APIs**, integrating with third-party systems and internal **Java enterprise** modules.
- Enhanced application performance by **30 %** through optimized **SQL queries**, **caching**, and **JVM profiling**; implemented **Grafana** dashboards for real-time monitoring.
- Deployed **containerized microservices** using **Docker** and **Kubernetes**; implemented automated **CI/CD pipelines** with **Jenkins** and **GitHub Actions** for build, test, and deployment.
- Wrote **unit and integration tests** using **JUnit**, **Mockito**, and **Jest**, improving code coverage to **85 %** and ensuring high reliability.
- Managed structured and unstructured data with **PostgreSQL**, **MongoDB**, and **Firebase**, handling **schema migrations** and **production releases**.
- Deployed and maintained **cloud-native architectures** on **AWS (EC2, S3, Lambda, API Gateway, DynamoDB, Elastic Beanstalk, ElastiCache)** to ensure scalability and availability.
- Collaborated across **distributed Agile teams**, driving **sprint planning**, **code reviews**, and **release cycles**

between mobile and backend groups.

Pontiac General Hospital, Pontiac, MI
Java Full Stack Developer

Aug 2024 to April 2025

Responsibilities:

- Involved in iteration planning, requirements analysis, design, coding, testing, and documentation.
- Developing business applications using web technologies on **React JS/React Native**.
- Built responsive **ReactJS** UI improving load time by 35% and accessibility compliance (WCAG 2.2 AA).
- Redesigned the website using **ReactJS** for everything, such as the contact page and the homepage page.
- Developed various screens for the front end using **ReactJS** Redux architecture, ES6, web pack and grunt.
- Used **ReactJS** in web application development to connect the data/model fetched from a database via services given in a controller to the view via scope.
- Develop web pages that display account transactions and details about this account using **JSP, DHTML, Spring Web Flow, AJAX, and CSS**.
- Used Controllers for the request and response paradigm with Spring controllers using **Spring MVC**. Migrated to **Hapi JS** from **Express JS** configured on **Node JS** to attain increased performance for authentication and authorization techniques.
- Implemented the application using **Java 17** features such as using parallel streams and functional interfaces to reduce the time complexity of algorithms.
- Involved in the creation of an interface to manage the user menu and Bulk update of Attributes using **Node JS** and **jQuery**
- Involved in migrating previous platforms from **Spring-to-Spring Boot** to build **microservices**.
- Implemented **JWT-based authentication** and **role-based authorization** across services.
- Created a **REST API** for all **CRUD** operations using Spring Boot.
- Used **Spring Security (OAuth2 & JWT)** for authentication and secure API access.
- Deployed applications on **AWS** using **Docker and Kubernetes** for scalability.
- Created **CI/CD pipelines in Jenkins** with automated testing and deployment.
- Used **SOAP UI** tool to create test cases and quickly unit test the web service code.
- Performed code reviews and followed **SonarQube quality gates**.
- Implemented **unit/integration tests** using JUnit, Mockito, and Cypress.
- "Streamlined version control via Git branching workflow, reducing merge conflicts by 40%.

Real Variable, India
Java Full Stack Developer

Nov 2020 to Jun 2023

Responsibilities:

- Spearheaded Agile SDLC processes for full-stack Java and JavaScript development, managing feature design, implementation, testing, and team capacity across multiple projects.
- Led the development of scalable Java applications while enhancing front-end responsiveness with **HTML5, CSS3/4, TypeScript, and React**, introducing modular UI components for efficient data interaction with RESTful APIs.
- Architected **React Native** modules and reusable UI components for mobile apps, integrating with Node.js and REST APIs to support cross-platform deployments.
- Leveraged Java 11/17 features (Foreign Memory Access API, ZGC, async programming) to optimize backend performance and microservice scalability.
- Developed and deployed **Spring Boot microservices** with Spring Security and Hibernate ORM, enabling secure authentication/authorization and seamless data persistence.
- Configured **AWS services** (EC2, S3, CloudFormation, Lambda, Autoscaling) to enhance backend scalability and operational efficiency.
- Built and optimized **Kafka producer REST services** for event-driven systems, integrated with Couchbase and PostgreSQL for high-throughput data handling.
- Orchestrated **CI/CD pipelines using Jenkins, Docker, and Kubernetes**, minimizing manual deployment tasks through automated testing and containerization.
- Implemented **mobile release workflows** using **Xcode, Android Studio, Fastlane**, and CodePush for OTA updates; integrated Crashlytics and Firebase Analytics to monitor app stability.
- Conducted comprehensive security, integration, and regression testing; utilized JIRA for issue tracking and Maven/Gradle for builds, improving release reliability and delivery timelines.

- Contributed to the development of **web and mobile applications**, implementing responsive UI components using **React.js**, **JavaScript**, and **Redux** to improve user experience across devices.
- Integrated **RESTful APIs** for real-time data operations and state updates, improving mobile and web app responsiveness and reliability.
- Collaborated with QA teams to conduct functional testing, debugging, and regression cycles prior to release.
- Assisted in setting up **basic CI/CD pipelines** using **Jenkins** and **Docker**, supporting automated builds and deployments.
- Participated in Android development using **Kotlin** and Java, working with **Android Studio** and integrating APIs for in-app data flows.
- Gained exposure to **version control (Git)**, **TypeScript**, and containerized development environments to streamline team collaboration and onboarding.