HEMANTH KRISHNA

Sr. Full Stack Developer | Node.js, Java, AWS, TypeScript | API & Cloud Specialist

Frisco, TX, • 940-597-8480 • marella.h.krishna@gmail.com

[LinkedIn](#)

SUMMARY

- Results-driven Full Stack Developer with 6+ years of experience building scalable, high-performance web and enterprise applications. Expert in front-end frameworks (Angular 2–17, React.js), backend technologies (Java 8–17, Spring Boot, Node.js), and cloud-native microservices using AWS and Docker.

Skilled in:

- API development with Node.js, TypeScript, NestJS, and Java (Spring Boot)
- Cloud-native architecture using AWS Lambda, S3, Step Functions, DynamoDB
- CI/CD with Jenkins, GitHub Actions, Bamboo, Maven, Docker
- Infrastructure as Code using AWS CDK
- Integration of structured/semi-structured data (JSON, XML, CSV) via S3 pipelines
- Secure authentication using JWT, OAuth 2.0, Azure AD
- SAFe Agile ceremonies including PI Planning, ART sync, and daily stand-ups

WORK EXPERIENCE

Newrez Mortgage – Coppell, TX   **May 2023 – Till date**
Sr. Full Stack Developer

- Designed and developed scalable, responsive UI using Angular 17 and React.js with TypeScript.
- Created modular Angular services, reusable components, and efficient routing architecture.
- Developed and integrated APIs using NestJS and Node.js, following best practices in controller-service design.
- Built cloud-native microservices using Java 17, Spring Boot, and AWS Lambda.
- Orchestrated data workflows using AWS Step Functions for fault-tolerant execution.
- Processed and ingested structured (CSV), semi-structured (JSON, XML) data from S3.
- Provisioned infrastructure using AWS CDK for repeatable deployments.
- Implemented secure authentication using OAuth 2.0 and integrated with Azure AD.
- Deployed services using Docker on AWS EC2 and OpenShift clusters.
- Documented APIs using Swagger and collaborated closely with UI developers.
- Participated in SAFe Agile ceremonies including PI Planning and Sprint Reviews.

Environment: Java 8/17, Spring Boot, WebFlux, Kafka, Node.js, NestJS, Angular 17, React.js, Redux, AWS (Lambda, EC2, Step Functions, DynamoDB, CDK), Docker, OpenShift, Swagger, Jenkins, Bamboo, Maven, MySQL, Cassandra, Git, Agile/SAFe

AbbVie – Remote   **Oct 2021 – Apr 2023**
Frontend Developer

- Developed scalable microservices using Java, Spring Boot, and Hibernate.
- Designed architecture components using UML (Use Case, Sequence, Class diagrams).
- Built dynamic dashboards with AngularJS, JSP, jQuery, and Bootstrap.
- Consumed and exposed REST APIs for integration with internal and external systems.
- Tapped into structured data sources using Oracle DB, optimized SQL queries.
- Built CI/CD pipelines using Jenkins and Bamboo, integrated with GitHub.

- Deployed containerized services via Docker to AWS EC2 and PCF environments.
- Connected to monitoring/alerting pipelines via AWS CloudWatch.
- Integrated with Ping Identity and OAuth 2.0 for secure access.
- Participated in SAFe Agile ARTs, contributing to PI Planning and Retrospectives.
- Developed automation scripts for API testing using Postman and REST Assured, ensuring compliance with business logic and error-handling rules.
- Reverse engineered existing Java-based legacy systems to extract business logic and reimplement in microservice format.
- Integrated XML-based data feeds into services using JAXB and custom parsers for downstream processing.
- Built monitoring dashboards using CloudWatch and custom metrics to track API throughput and failure rates.
- Maintained Swagger/OpenAPI documentation for all services to support seamless frontend-backend integration.
- Refactored legacy Java monolith APIs into modular Spring Boot microservices deployed on AWS EC2 and PCF.
- Collaborated with security teams to integrate OAuth 2.0 and Ping Identity for secure API access and auditing.

Environment: Java, Spring Boot, Hibernate, AngularJS, Node.js, REST, Oracle, Docker, Jenkins, Bamboo, AWS (EC2, RDS, S3, CloudWatch), Ping Identity, GitHub, Rally, Agile/SAFe

SMG Infotech – Hyderabad, India
React.js Frontend Developer
Mar 2019 – Aug 2021

- Developed REST APIs and microservices using Java 8, Spring Boot, and Spring Security.
- Built reusable front-end modules using React.js, Redux, Bootstrap, and ES6.
- Connected React apps with backend APIs and implemented form validation and state management.
- Created event-driven microservices using Kafka and Node.js for real-time processing.
- Integrated MongoDB and DynamoDB for handling unstructured/structured datasets.
- Utilized Webpack and Babel for optimized builds.
- Built secure authentication with JWT and implemented role-based access control.
- Deployed microservices in AWS using Docker and Git pipelines.
- Applied TDD with Jest and maintained high test coverage for React components.
- Managed tasks using Bitbucket and JIRA within Agile Scrum environment.
- Designed and implemented batch upload APIs to support bulk data ingestion from CSV and JSON files.
- Created middleware logic in Node.js to validate and transform incoming payloads before persisting to MongoDB.
- Developed file-based integration pipelines that processed XML and delimited files dropped into S3 buckets.
- Built reusable AWS Lambda functions triggered by S3 events for file parsing and metadata extraction.
- Collaborated with QA to create test suites covering edge cases for asynchronous API flows using Jest and Postman.
- Engineered Lambda-based ETL jobs to extract, transform, and load data from S3 into MongoDB and DynamoDB.
- Integrated file validation mechanisms for S3 triggers to ensure data quality before processing.
- Participated in end-to-end system design using Sequence and Activity diagrams for new API integrations.

Environment: Java 8, Spring Boot, Spring Security, React.js, Node.js, Kafka, MongoDB, Redux, AWS (S3, EC2, DynamoDB), Docker, Webpack, JWT, Bitbucket, JIRA, Agile

TECHNICAL SKILLS

- **Languages & Frameworks:** Java (8–17), Spring Boot, Hibernate, NestJS, Node.js, JSP, JDBC
- **Frontend:** Angular (2–17), React.js, Redux, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, jQuery
- **API & Web Services:** REST, SOAP, Swagger, JSON, XML
- **Cloud & DevOps:** AWS (Lambda, EC2, S3, Step Functions, CDK, DynamoDB, IAM), Docker, Kubernetes, OpenShift, PCF
- **Databases:** Oracle, MySQL, MongoDB, Cassandra, DynamoDB
- **CI/CD & Version Control:** Jenkins, GitHub Actions, Bamboo, Git, Bitbucket, Maven, SVN
- **Testing Tools:** JUnit, Mockito, Jest, Selenium, Jasmine, Karma
- **IDEs & Platforms:** Eclipse, VS Code, Spring Tool Suite

EDUCATION

Masters in Information Systems - University of North Texas
Bachelors in Computer Science and Engineering Gitam University