

NAVYA GANGAVARAPU



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Professional Summary:

- Senior **Java Full Stack Developer** with **8+ years of experience** designing, developing, deploying, and supporting **large-scale, enterprise internal platforms** across healthcare systems, utilities, banking, and healthcare consulting organizations.
- **AWS Certified Solutions Architect – Associate**, with hands-on experience designing, deploying, and supporting **cloud-native enterprise applications** in production environments.
- Proven ability to **own the complete application lifecycle**, including requirements analysis, technical design, development, cloud deployment, production support, and continuous enhancement.
- Extensive hands-on experience building **complex frontend applications using Angular (4+) and React**, delivering workflow-driven dashboards, administrative portals, and internal reporting systems used by large user populations.
- Strong expertise translating **complex business, operational, compliance, and regulatory requirements** into scalable, maintainable, and secure full-stack solutions.
- Deep experience designing and implementing **Java Spring Boot microservices**, including service decomposition, API contract design, validation strategies, and centralized exception handling.
- Proven experience designing **RESTful APIs** and service-oriented architectures to support reliable integrations across distributed enterprise systems.
- Strong background working with **event-driven and asynchronous architectures** using **Kafka and RabbitMQ**, enabling decoupled communication, real-time processing, and system resilience.
- Extensive experience supporting **high-availability, high-volume production systems**, including performance tuning, root-cause analysis, incident resolution, and production support.
- Solid expertise in **enterprise data modelling and database design**, ensuring transactional integrity, reporting accuracy, and operational reliability.
- Hands-on experience deploying, configuring, and maintaining applications on **AWS**, supporting scalable and fault-tolerant healthcare platforms.
- Strong experience delivering enterprise workloads on **Microsoft Azure**, supporting secure and reliable utility and financial systems.
- Experience contributing to **Google Cloud Platform (GCP) deployments** as part of enterprise **multi-cloud strategies**.
- Proven experience implementing **CI/CD pipelines using Jenkins and GitLab CI/CD**, release automation, and DevOps best practices.
- Strong advocate of **Test-Driven Development (TDD)**, automated testing using **JUnit and Mockito**, and clean-code principles.
- Experienced **Agile practitioner**, actively participating in sprint planning, stand-ups, reviews, retrospectives, and cross-team collaboration.
- Strong hands-on expertise across **Java, Spring Boot, Angular, React, Kafka, RabbitMQ, Oracle, PostgreSQL, MongoDB, AWS, Azure, GCP, Jenkins, GitHub, JUnit, and Agile methodologies**.

Professional Skills:

Programming Languages	Java (8/11/17), JavaScript, TypeScript, Python, SQL, PL/SQL
Frontend	React.js, Angular, Redux (Thunk, Saga, Toolkit), Apollo Client, NgRx, HTML5, CSS3, Tailwind CSS, Material-UI, PrimeNG, Bootstrap, Jest
Backend	Spring Boot, Spring Cloud (Eureka, Feign, Config Server), Spring Security, Spring MVC, Spring Data JPA, Spring AOP, Hibernate, Node.js, Express.js, GraphQL (Netflix DGS), WebSocket
Databases	MySQL, PostgreSQL, MongoDB, Couchbase, Oracle, Redis, Apache Cassandra, Azure Cosmos DB

Messaging & Streaming	Apache Kafka, Kafka Streams, RabbitMQ, Azure Service Bus.
Monitoring & Logging	ELK Stack, Prometheus, Grafana, Fluentd, Log4J, CloudWatch.
CI/CD & DevOps	Jenkins, GitLab CI/CD, Azure DevOps, Docker, Kubernetes, TestContainers
Cloud Platforms	AWS (EC2, S3, Lambda, API Gateway, RDS, EKS, CloudWatch), Azure (App Services, AKS, Cosmos DB), GCP
Testing & Automation	JUnit, Mockito, TestContainers, Spock, Selenium, Postman, RestAssured
Version Control	Git, GitHub, GitLab, Bitbucket

Professional Experience:

Java Full Stack Developer *Prime Healthcare, Irvine, CA*

Oct 2024 - Present

Project description: Prime Healthcare's internal platform supports hospital business operations and care coordination across multiple facilities. The system enables secure management of patient-related workflows, administrative processes, billing activities, and regulatory reporting while ensuring real-time data availability. It plays a critical role in supporting compliance, auditing, and operational efficiency across clinical and administrative teams.

Responsibilities:

- Designed and developed **Angular (4+) dashboards** using TypeScript to support clinical workflows, administrative operations, and real-time reporting with role-based views.
- Built reusable **Angular components, shared modules, and services**, reducing duplication and improving maintainability across internal applications.
- Implemented secure **role-based navigation and access controls** by integrating UI permissions with **Spring Security** and RBAC policies.
- Optimized frontend performance using lazy loading, efficient component design, and API pagination to support high concurrency and large datasets.
- Designed and developed **Java Spring Boot microservices** implementing hospital workflow logic for care coordination, billing, scheduling, and reporting services.
- Implemented **RESTful APIs** with standardized request validation, consistent response contracts, and centralized exception handling.
- Applied **microservices architecture** principles to improve scalability, enable independent deployments, and reduce service coupling.
- Strengthened backend security by enforcing authentication and authorization standards aligned with healthcare compliance requirements.
- Deployed applications on **AWS**, leveraging scalable infrastructure patterns to support hospital-wide operational workloads.
- Configured **high availability, monitoring, and fault tolerance** using AWS-native services and centralized logging.
- Integrated **Apache Kafka** to enable asynchronous processing of clinical events, notifications, and operational updates.
- Built and maintained **CI/CD pipelines using Jenkins** to automate build, test, and deployment workflows.
- Managed source control using **GitHub**, enforcing branching strategies, pull requests, and code review practices.
- Applied **TDD** and created automated test suites using **JUnit/Mockito**, with centralized logging via **Log4j/SLF4J**.
- Collaborated in **Agile/Scrum ceremonies** with product owners, QA, and DevOps teams to deliver sprint commitments and production fixes.

Database: Oracle

Environment: Java, Spring Boot, Angular (4+), Kafka, Oracle, AWS, Jenkins, GitHub, JUnit, Log4j, Agile.

Java Full Stack Developer *NW Natural, Portland, Oregon*

Aug 2023 – Sep 2024

Project description: This internal platform supports operational continuity for energy and utility services across multiple regions by managing workflows, reporting, and secure system integrations. It provides engineering and operations teams with real-time visibility into operational activity while aligning enterprise security and governance standards. The system helps ensure reliable service delivery and operational stability.

Responsibilities:

- Developed **React.js dashboards** using functional components and hooks to visualize operational workflows, system metrics, and internal status indicators.
- Built reusable **React components** and shared UI patterns to ensure consistent behavior and maintainability across internal applications.
- Integrated frontend features backend **Spring Boot REST APIs**, enabling near real-time operational updates and accurate reporting views.
- Enhanced UI performance and usability by optimizing rendering strategies and improving navigation for internal user workflows.
- Developed **Spring Boot microservices** supporting secure workflow execution, internal tooling, and operations-driven business rules.
- Implemented backend validation, standardized error handling, and secure coding practices to maintain reliability for essential service operations.
- Integrated backend services with identity and authorization systems to support secure authentication and authorization flows.
- Improved service stability through consistent API contracts, fault handling, and structured logging for troubleshooting.
- Deployed applications on **Microsoft Azure** using secure access patterns and reliable hosting configurations.
- Configured **Azure environments, access controls, and monitoring** to ensure production stability and security.
- Integrated **RabbitMQ** for asynchronous background processing, workflow notifications, and decoupled job execution.
- Designed and optimized **PostgreSQL schemas and queries** to support operational reporting and data integrity.
- Implemented **CI/CD pipelines using GitLab CI/CD**, automating build, test, and deployment stages.
- Wrote **JUnit tests** and implemented centralized logging using **Log4j** to improve observability and supportability.
- Participated actively in **Agile delivery cycles**, supporting sprint execution, demos, and production support activities.

Environment: Java, Spring Boot, React.js, RabbitMQ, PostgreSQL, Azure, GitLab CI/CD, GitHub, JUnit, Log4j, Agile.

Full Stack Java Developer

Dec 2021 – July 2023

Bluetree Network, Madison, WI

Project description: This internal platform supports healthcare consulting engagements by enabling secure integration and processing of clinical and operational data. It helps consulting teams deliver insights that improve provider and payer performance across workflows and operational domains. The system supports full lifecycle ownership, from feature development through release support and troubleshooting.

Responsibilities:

- Developed **Angular dashboards** to support analytics, reporting, and consulting workflows with efficient data visualization.
- Built reusable UI components and shared services to standardize user experience across internal consulting tools.
- Implemented role-based UI access controls to ensure secure and appropriate data visibility.
- Optimized frontend performance for data-intensive reporting screens handling large datasets.
- Developed **Spring Boot services** to support ingestion, validation, and processing of healthcare data.
- Designed **REST APIs** supporting provider and payer system integrations with standardized contracts.
- Implemented backend validation, transformation logic, and centralized exception handling.
- Owned services end-to-end, supporting development, deployment of readiness, and production troubleshooting.
- Deployed services on **Google Cloud Platform (GCP)** to support scalable data processing workloads.
- Supported **multi-cloud deployment coordination**, aligning environment readiness and configuration practices.

- Designed and managed **MongoDB collections and indexes** for efficient storage of semi-structured healthcare data.
- Automated build and deployment workflows using **Jenkins** to improve release consistency.
- Wrote **JUnit tests** and implemented centralized logging to support production issue resolution.
- Participated in **Agile delivery cycles**, contributing to sprint planning, reviews, and continuous improvement efforts.

Database: MongoDB

Environment: Java, Spring Boot, Angular, MongoDB, Google Cloud Platform (GCP), Jenkins, GitHub, JUnit, Log4j, Agile.

Software Engineer

June 2020 – Dec 2021

Home BancShares, Conway, AR

Project Description: This platform supports internal banking operations through secure transaction processing, reporting, and compliance monitoring. It enables internal teams to track operational activity while maintaining regulatory standards. The system supports business growth by providing stable and reliable internal tooling.

Responsibilities:

- Developed **React-based internal reporting interfaces** to support banking operations and daily monitoring.
- Built reusable UI components to standardize internal screens and improve maintainability.
- Integrated frontend applications with backend **Spring Boot services** for consistent transactional workflows.
- Improved usability for internal users by streamlining navigation and report filtering.
- Developed **Spring Boot services** supporting internal banking workflows and reporting logic.
- Built secure **REST APIs** for transaction monitoring, reporting, and operational integrations.
- Implemented backend security logic aligned with financial standards and compliance requirements.
- Supported backend service maintenance and enhancements, including defect fixes and performance tuning.
- Deployed applications on **Microsoft Azure** using stable and secure configurations.
- Designed and optimized **Oracle schemas and queries** to ensure transactional integrity and reporting accuracy.
- Collaborated with business and QA teams within **Agile environments** to support releases and production issues.

Database: Oracle

Environment: Java, Spring Boot, React.js, Oracle, Azure, Jenkins, GitHub, JUnit, Log4j, Agile.

Associate Software Engineer

June 2018 – May 2020

Pramati Technologies Pvt Ltd, Hyderabad, India

Project Description: This internal project focused on building enterprise web applications and workflow-driven portals for internal users. It supported internal operations and early-stage product initiatives requiring scalable and maintainable modules. The role provided hands-on exposure to enterprise development practices and collaborative delivery models.

Responsibilities:

- Assisted in developing **Java backend components** supporting internal application workflows and business logic.
- Built **Angular UI components** contributing to responsive pages and reusable component patterns.
- Supported **REST API development** for internal tools, assisting with request and response handling.
- I worked with **MySQL databases**, supporting schema updates, queries, and basic data handling.
- Assisted with deployments to internal and cloud-based environments, supporting release of readiness.
- I participated in unit testing using **JUnit**, implemented basic logging, and contributed to **Agile ceremonies**.

Database: MySQL

Environment: Java, Spring, Spring Boot, Angular, JavaScript, MySQL, RabbitMQ, JUnit, Agile.

Education

- **Master of Science – Master of Science in Information Systems and Technology**
California State University,
CA San Bernardino,
- **Bachelor of Technology – Computer Science and Engineering**
Prasad V. Potluri Siddhartha Institute of Technology,
Vijayawada, India

Certification

- **AWS Certified Solutions Architect – Associate** January 2026