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Naveen Reddy

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About Me: I'm a dedicated and results-oriented software developer that enjoys tackling challenging issues and producing excellent, user-focused applications. In order to transform requirements into scalable solutions, I like collaborating closely with cross-functional teams, including product owners, designers, QA, and DevOps. In order to promote an innovative and high-achieving culture, I'm dedicated to lifelong learning, keeping up with new developments in technology and best practices, and coaching colleagues. I enjoy contributing to open-source projects, learning new coding frameworks, and honing my abilities at technical meetups and workshops when I'm not working.

Professional Summary

* Over 8+ years of experience in software development, specializing in Java Full Stack Development.
* Proficient in Java 8/17, Spring Boot, Microservices, RESTful APIs, Hibernate, and SQL.
* Experience in front-end technologies such as Angular (2 to 10), ReactJS, HTML5, CSS3, and JavaScript.
* Skilled in building and deploying scalable applications using AWS, Docker, Jenkins, and GitHub.
* Strong background in Agile methodologies and Test-Driven Development.
* Solid understanding of design patterns, multithreading, collections, and exception handling.
* Involved in the complete SDLC: Requirements, Design, Development, Testing, Deployment, and Maintenance.

# Technical Skills

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| --- | --- |
| **Category** | Technologies |
| **Domain** | Banking, Finance, Health, Telecom |
| **Programming Languages** | Java 6/7/8/17, PL/SQL, JavaScript, TypeScript |
| **Operating Systems** | Windows, Linux, UNIX |
| **DevOps Tools** | Jenkins, GitHub, GitLab, SonarQube, Artifactory, Docker, AWS Lambda, DynamoDB, API Gateway, SNS, SQS, IAM, CloudWatch, Maven, Gradle, Bitbucket |
| **Databases** | Oracle, MySQL, SQL Server, MongoDB, Cassandra |
| **Frameworks** | Spring, Spring Boot, Hibernate, JPA, MVC |
| **Web Technologies** | HTML5, CSS3, JavaScript, AngularJS, Angular 8/10, ReactJS, Bootstrap, AngularJS Architecture (Scopes, Directives, Dependency Injection) |
| **App Servers** | WebSphere, Tomcat, WebLogic, JBoss |
| **Back-End Technologies & Frameworks** | Node.js,Express.js,ApolloServer,TypeScript, JavaScript (ES6+), RESTful  APIs, GraphQL, Microservices Architecture, Kafka · ActiveMQ (JMS) · Azure Event Hub |
| **CI/CD & Build Tools** | Jenkins, GitHub, CircleCI,GitLab CI/CD,  Docker, npm, Yarn |
| **Cloud Platforms** | AWS (EC2, S3, IAM, ECS), Azure (Cosmos DB, Storage Explorer) |
| **Project & Delivery Tools** | Jira, SharePoint, Confluence |
| **Test Data Management & Middleware** | Azure Event Hub, AWS Lambda, API Gateway |
| **Testing Frameworks** | JUnit · TestNG · Mockito · Automated API & integration tests |

Education:

**Master’s** - Governor’s State University, Chicago, IL

**Major :** Computer Science May - 2022

**Bachelor’s**-CMRIT, Hyderabad, India June - 2017

**Major:** Computer Science

# Professional Experience

## Samsung Research America, CA

**Role: Mid-Senior Java Developer**

**Date Jan 2024 – March 2025**

Project Name: Smart Things and Digital Care Hub

Project Description: Development of a digital health support application to monitor user metrics like calorie intake, integrate 3rd party APIs, and deliver smart care insights.

Role & Contributions:

* Migrated legacy Java 8 code to Python.
* Built microservices with 3rd party API integration; deployed to ECS.
* Developed RESTful APIs using NestJS and TypeScript—leveraging decorators for DTO validation, serialization, and dependency injection.
* Conducted regular code reviews in GitHub/GitLab to enforce style guides, improve test coverage
* Built serverless data-ingestion pipelines in AWS (Lambda, Step Functions, S3) processing XML/JSON/delimited feeds with bulk-upload capabilities and fault-tolerant retry logic.
* Led analysis, design, development, and ongoing support of OneTrust CMP integration—built consent-management UI and wired vendor-consent APIs with OneTrust SDK.
* Managed infrastructure-as-code with AWS CDK and orchestrated CI/CD workflows via GitHub Actions (and Bamboo), automating staging and production deployments.
* Documented all services with Swagger/OpenAPI, enabling front-end teams to mock and integrate against live endpoints.
* Secured APIs using Azure AD OAuth2 and Ping Identity SSO, enforcing fine-grained RBAC across microservices.
* Participated in SAFe Agile ceremonies (PI Planning, ART syncs, sprint planning), driving continuous value delivery in a scaled-Agile environment.
* Leveraged LangChain frameworks to integrate GPT-4 into microservices, built RAG pipelines with Hugging Face embeddings and vector stores, and fine-tuned BERT models—boosting contextual-insight performance by 40%
* Containerized and orchestrated microservices on Kubernetes (EKS), managing deployments, scaling, and service discovery
* Developed GWT-based UI modules to deliver rich, client-side interactions (e.g., dynamic dashboards, form wizards), improving load times by 20%.
* Mentored and coached junior developers on best practices, conducting bi-weekly brown-bag sessions on clean architecture and design patterns
* Applied OWASP Top 10 and secure coding guidelines, performing regular security reviews and dependency vulnerability scans.
* Owned end-to-end CI/CD pipelines using Jenkins and GitHub Actions, integrating automated tests, code quality gates, and deployment approvals
* Led project delivery for a $2M IT transformation initiative, coordinating design, development, TDM and deployment via Jira/SharePoint across US and India.
* Facilitated Agile ceremonies (sprint planning, stand-ups, retrospectives), enforced best practices and improved team velocity by 25%.
* Implemented Test Data Management strategy and middleware integration using Azure Event Hub and AWS Lambda, boosting data throughput by 30%.
* Managed critical production incidents and prioritized deliverables under tight SLAs to ensure zero downtime during releases.
* Involved in performance tuning and optimization of J2EE applications to meet SLAs and scalability requirements.
* Developed and tested core consent-routing workflows; delivered live demos to stakeholders to validate UI/UX and consent-policy coverage
* Integrated REST APIs using fetch() and XMLHttpRequest for seamless client-server communication.
* **Azure Event Hub & Messaging:** Designed and implemented Event Hub architectures (partitions, consumer groups, retention) for telemetric data ingestion; published and consumed messages via Azure SDKs and Function triggers.
* **Serverless Event Processing:** Developed Java-based Azure Functions with Event Hub and Event Grid triggers, implementing retry policies and fault-tolerant event workflows.
* Integrated application components with Azure Queue Storage for asynchronous messaging; handled visibility timeouts and poison-message scenarios via Java SDK.
* Leveraged Azure Monitor for health metrics, Resource Manager for infrastructure-as-code, and Azure AD for secure authentication and SAS-token management.
* Diagnosed and resolved build and runtime issues in Function Apps and Event Hub pipelines; analyzed diagnostic logs to optimize throughput and reliability.
* **Implemented serverless microservices** using AWS Lambda, API Gateway, and DynamoDB for event-driven health data ingestion.
* In a project bullet: “Optimized caching with Redis and performed relational modeling in PostgreSQL.
* **Configured messaging and monitoring** with SNS, SQS, IAM roles, and CloudWatch dashboards to ensure reliable, secured workflows.
* Followed best practices for code structure, separation of concerns (MVC), and SOLID principles in ASP.NET projects.
* Utilized ADO.NET and ColdFusion data sources to interact with SQL Server/Oracle databases for efficient data retrieval and persistence.
* Integrated GPT-4 via LangChain for contextual insights; built RAG pipelines with Hugging Face embeddings and vector stores; fine-tuned BERT models for classification tasks.

**Technology & Tools**: Java 17, Spring Boot, Python, GitHub Actions, ECS, SonarQube, Jenkins, Artifactory, Angular

BNY, NY

**Role: Full Stack Java Developer**

**Date: Feb 2023 – Dec 2023**

Project Name: Financial Dashboard and Alerts

Project Description: Dashboard application to track financial transactions and trends with real-time alerting features.

Role & Contributions:

* Built UI using Angular 8 with reusable components.
* Configured Terraform for multi-cloud deployments on AWS/GCP/Azure
* Developed backend microservices with Spring Boot.
* Created Kafka pipelines and Spark for stream processing.
* Used AWS EC2 and S3 for cloud deployment.
* Utilized Apache Spark for large-scale data processing, significantly reducing data analysis time.
* Defined UI solution and provisioned test environments in Visual Studio & SQL Server Studio—configuring Angular/TypeScript builds and .NET Core test services
* Used Spring Boot framework to create properties for various environments and used .yml files for configuration.
* Designed and led development of a Spring Boot payment microservice, defining transaction schemas, chargeback flows and retry logic to support high-volume payment processing.
* Implemented various J2EE design patterns like Singleton, Factory and Builder etc.
* Developed and maintained enterprise-level applications using J2EE technologies such as Servlets, JSP, EJB, JMS, and JDBC.
* Used Razor syntax in ASP.NET MVC to generate dynamic content efficiently.
* Implemented logging and error handling using built-in ASP.NET features and tools like log4net or Serilog.
* Designed and implemented batch workflows using Spring Batch for scheduled data processing.
* In a project bullet: “Optimized caching with Redis and performed relational modeling in PostgreSQL.
* Built custom Angular 8 directives to enforce WCAG 2.1 color-contrast ratios and visible focus indicators across chart widgets
* **Integrated automated accessibility testing** into the CI/CD pipeline using axe-core and Lighthouse audits, catching and remediating 95% of color-contrast and label issues before release.
* Developed Spring Boot REST APIs using @RestController and Swagger/OpenAPI for JSON payloads, enabling seamless front-end integration.
* Built and documented Spring MVC/REST endpoints with Spring Boot, handling DTO validation and error-handling via @ControllerAdvice.
* Authored CloudFormation templates to provision CloudFront distributions, SES for transactional emails, SNS topics, and SQS queues.
* **Collaborated with UX designers** to align UI flows with inclusive design principles, leading usability tests with assistive-tech users and iterating based on feedback.
* Enhanced Angular 8 dashboard for ADA compliance by adding ARIA attributes and improving keyboard/tab navigation.
* **Collaborated on service design**, leveraging Spring Boot patterns and AWS best practices to optimize performance and scalability.

**Technology & Tools**: Java 8, Spring Boot, Angular 8, Kafka, Spark, AWS EC2, S3, REST APIs

## Freddie Mac, VA

Role: Full Stack Java Developer

Date: Aug 2021 – Feb 2023

Project Name: Wealth Management Platform

Project Description: Microservices-based investment tracking and customer portfolio management system.

Role & Contributions:

* Developed microservices with Spring Boot deployed on AWS.
* Frontend built with React, Redux, and TypeScript.
* Implemented “skip-to-content” links and high-contrast focus outlines in AngularJS directives, boosting keyboard-only usability for internal HR workflows
* CI/CD setup using GitLab and UBS internal tools.
* Integrated front-end technologies such as HTML, CSS, JavaScript, and jQuery within ASP.NET views for responsive UI development.
* Managed Azure Vault secrets for secured configuration.
* Worked with DevOps SDLC for end to end process.
* worked with UBS internal deployment tool called RLC and DA for release prospective.
* Closely worked with Application using React.JS and Node.js libraries NPM, gulp directories to generate desired view and flux to root the URL's properly.
* Worked with JavaScript frameworks/libraries such as jQuery, React, or Angular to build feature-rich applications.
* Collaborated with cross-functional teams to identify process improvements and optimize workflows.
* Mapped complex entity relationships (One-to-One, One-to-Many, Many-to-Many) using JPA annotations and XML configuration.
* Leveraged HTML5 semantic elements, CSS3 flexbox/grid layouts, and jQuery plugins for legacy UI enhancements.
* Proactively triaged and fixed critical production bugs across UI and backend, documenting root causes and lessons learned.
* Provided L2 support for Java/Node.js microservices on OpenShift and on-prem platforms, handling ~20 ServiceNow tickets per week with SLA-driven incident resolution.
* Used Splunk and Datadog dashboards to triage application errors, perform root-cause analysis and implement corrective actions within 2 hours on average.
* Executed post-deployment validation (smoke tests, sanity checks) for releases, coordinating with DevOps to ensure zero-downtime rollouts.
* Built and maintained unit/integration test suites with Jest and Mocha for Node.js services and React components, achieving > 85% coverage
* Optimized Node.js event loop and memory usage; implemented clustering to horizontally scale backend services.
* Performed root cause analysis and identified key areas for improvement across operations and systems.

**Technology & Tools**: Java 8, Spring Boot, React, Redux, TypeScript, GitLab, Azure Vault, Microservices

## Infosys, India

**Role: Java Full Stack Developer**

**Dates: July 2017 – Nov 2020**

Project Name: Digital HR and Intranet Portal

Project Description: Web portal to manage HR functions like onboarding, leave tracking, and internal communication.

Role & Contributions:

* Implemented full-stack features using MEAN and ReactJS.
* Containerized microservices using Docker.
* Integrated ColdFusion services with ASP.NET APIs to enable seamless data exchange and cross-platform functionality.
* Applied MVC architecture and ColdFusion components (CFCs) to ensure modular, maintainable codebases.
* Designed and implemented reusable frontend components using AngularJS and ReactJS.
* Developed RESTful services and API endpoints using Node.js and Express.
* Integrated forms with client-side validation using HTML5 attributes to improve user input handling.
* Supported UAT (User Acceptance Testing) by preparing test scenarios, executing test cases, and logging defects.
* Worked closely with QA team to ensure feature parity and conduct regression testing.
* Performed server-side programming using J2EE for transaction management, connection pooling, and caching.
* Applied JavaScript in AJAX-based calls to update content dynamically without page reloads.
* Designed and implemented data persistence layers using JPA and Hibernate, enabling efficient ORM-based interactions with Oracle/SQL databases.

**Technology & Tools**: MEAN Stack (MongoDB, ExpressJS, AngularJS, Node.js), ReactJS, Bootstrap, Docker

Education

Master’s in Computer Science, Governor’s State University, Chicago, IL

Bachelor’s in Computer Science, CMRIT, Hyderabad, India