

Neeharika Chintalapudi

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Summary

Full-stack engineer with 3 years of experience delivering high-scale, cloud-native solutions using AWS, Java, and microservices. Skilled at bridging tech and business with strong communication and a creative problem-solving mindset

Education

University of Florida, Gainesville, FL
Master of Science in Computer and Information Sciences
MLR Institute of Technology, Hyderabad, India
Bachelor of Technology in Computer Science.

Aug 2023 - May 2025
CGPA: 3.83
Aug 2016 - Sep 2020
CGPA: 3.75

Technical Skills

Programming Languages: JavaScript, TypeScript, HTML5, Java, CSS, Python, Go

Frameworks: React.js, Angular, Node.js, Vue, Express.js, Spring Boot, .NET, Agile

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, IBM Db2, Oracle SQL Developer

Tools & Technologies: Jira, Rally, GitLab CI, Hibernate, Kafka, Microsoft Office, Selenium, Lighthouse, Postman, Junit, Splunk, Kibana, AWS S3, Athena, Lambda, Redshift, EC2, SNS, CloudWatch, Step Functions, Figma, Tableau, Maven, Linux Shell, GraphQL, Tableau, Cucumber, Apache Spark, Mockito, API Gateway, Redis, Context API, REST APIs

DevOps tools: Jenkins, Code Pipeline, Kubernetes, Docker, Datadog, Terraform, Grafana, CloudFormation, GitHub Actions

Certification: AWS Solutions Architect - Associate

Skills: Data Structures, Algorithms, Distributed Systems and Computing, Web Application, System Design, Object-Oriented Programming

Professional Experience

Optum Global Solutions (UnitedHealth Group) | Software Engineer

Nov 2022 – July 2023

- **Developed** frontend UI in Adobe Experience Manager (AEM) by building reusable components, responsive design using HTML5, CSS3, JavaScript and Java, significantly enhancing digital form responsiveness, OAuth flows, interactivity, and user experience
- **Built** backend RESTful APIs and microservices using Java Spring Boot, enhancing system modularity optimized for low-latency and improving digital form processing efficiency by 30%, supporting high-volume healthcare transaction handling along with unit testing
- **Implemented** CI/CD pipelines using Jenkins, reducing deployment time by 40%, by containerizing Spring Boot microservices with Docker and managing deployments across multiple environments, including production deployment via Kubernetes clusters
- **Integrated** Kafka messaging system enabling asynchronous communication between microservices, improving data flow and responsiveness by 25%, and configured real-time monitoring dashboards in Kibana to track performance metrics, and logs
- **Implemented** QA strategies with TDD and CI/CD to validate digital forms and backend claim workflows, ensuring functionality, security, and alignment with Agile and industry-standard testing practices

Virtusa Consulting Services | Software Engineer

Sep 2020 - Oct 2022

- **Migrated** on-premise database to AWS and optimized SQL queries across the raw data layer, processed data in AWS Athena for conformance and purpose-built in Redshift, supporting large-scale enterprise applications and improving efficiency by 20%
- **Authored** metadata-driven ETL logic to automate data extraction, transformation, and loading across Raw, Conformance, and Purpose build layers, ensuring high data accuracy and consistency throughout the pipeline
- **Engineered** backend services using Java and RESTful APIs to support migration flows such as schema mapping and business rule validation, while automating CI/CD pipelines with Jenkins, AWS CodePipeline for continuous integration and deployment
- **Collaborated** with cross-functional teams in Scrum environment, feature development, sprint planning, and system design discussions

Cyient Insights | Software Engineer Intern

Jan 2019 - May 2019

- Developed RESTful APIs for CRUD operations on MySQL database with Maven that used Spring Data JPA to interact with database
- Increased code coverage of client and server core services by writing comprehensive unit tests using Mockito and Junit

Projects

- **Cloud-Based CRM Platform Development** | Spring Boot, MySQL, AWS, REST APIs, JPA
Engineered a scalable cloud-based CRM application using Spring Boot and MySQL, implementing real-time lead tracking, role-based access, and email integration to streamline customer engagement and workflows
- **Scalable eCommerce Application with Spring Boot** | Spring Boot, PostgreSQL, JWT, AWS, JPA, Maven
Built a full-featured eCommerce web application implementing JWT authentication, JPA with PostgreSQL, AWS deployment, and features like pagination, sorting, and role-based access control
- **SpareChange - Micro-Investment Simulator** | Spring Boot, React.js, PostgreSQL, Recharts, REST APIs
Developed a full-stack platform that rounds up purchases and auto-invests spare change into simulated ETF portfolios, with real-time visual tracking and portfolio breakdowns using Spring Boot, React, and PostgreSQL