

TEJASHWINI G

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Education

University of Cincinnati, Masters in Information Technology

Aug 2023 – Dec 2024

Profile Summary

Full Stack Software Engineer with a Master's in Information Technology, specializing in scalable, secure applications using Java, Spring Boot, and JavaScript frameworks (React, Angular). Proficient in designing RESTful, SOAP, and GraphQL APIs, deploying on AWS and Azure, and optimizing CI/CD pipelines. Pioneered GenAI-driven workflows with GPT-4 and Claude, code validation and documentation. Committed to delivering user-centric, high-performance solutions in Agile environments.

Experience

Capital One

Feb 2025 – Present

Java Full Stack Developer

Columbus, Ohio

- Designing RESTful and GraphQL APIs using Java, Kotlin, Spring Boot, and Angular to support 15,000+ daily transactions.
- Developed serverless applications on AWS (Lambda, API Gateway, S3, RDS, SQS) with HikariCP for efficient database connection pooling, ensuring high performance.
- Automated testing, documentation, and business process automation using GPT-4 and Claude, reducing validation time.
- Optimized CI/CD pipelines with GitHub Actions, Maven, Gradle, and Docker, achieving 98% test coverage using JUnit and Mockito.
- Monitored systems with CloudWatch, Splunk, and Grafana, maintaining 99.9% uptime and resolving performance bottlenecks through query tuning.
- Designed AI-driven dashboards using Django and Next.js, cutting manual reportin and enhancing decision-making in logistics processes.

Tech Stack: Java, Spring Boot, React, Angular, Node.js, AWS (Lambda, S3), GraphQL, REST APIs, GitHub Actions, Docker, Django, Next.js, GPT-4, Claude, Agile

Sherwin-Williams

Sep 2024 – Dec 2024

Software Developer, Intern

Cleveland, Ohio

- Partnered with business analysts to define requirements, developing microservices with Java, Spring Boot, and Node.js (Express) to support 7,000+ concurrent users.
- Built responsive UI components with React, HTML5, CSS3, and Tailwind CSS, integrating with Figma designs for A11y compliance.
- Conducted unit and integration testing with JUnit, Mockito, and Postman.
- Deployed applications on AWS (EC2, S3, CloudWatch, RDS) and Cloud Foundry, improving response time by 150ms via CloudWatch RUM monitoring.
- Optimized infrastructure with Python and Bash scripts, saving 8 hours per sprint on QA tasks.

Tech Stack: Java, Spring Boot, Node.js, Express, AWS (EC2, S3, CloudWatch), HTML5, CSS3, JavaScript, JUnit, Mockito, Python, CloudWatch RUM

Gap inc.,

Jul 2020 – Aug 2023

Java Full Stack Developer

Hyderabad, India

Java Full Stack Developer | Jul 2022 - Aug 2023

- Worked with product teams to refine requirements, building secure React components with OAuth 2.0, JWT, and TLS/HTTPS for user logins.
- Designed and developed backend services with Java 17, Spring Boot, Hibernate, and PostgreSQL, optimizing stored procedures to reduce query times by 200ms.
- Wrote unit and integration tests with JUnit, Spock, and REST Assured, achieving 90% code coverage across 15 services.
- Automated deployments using Docker, GitHub Actions, and Azure DevOps
- Integrated OpenAI API for data-driven recommendations and monitored systems with New Relic and Kibana, resolving.

Tech Stack: Java 17, Spring Boot, React, Kafka, RabbitMQ, OAuth 2.0, JWT, PostgreSQL, Oracle, GitHub Actions, Azure DevOps, Docker, New Relic, Kibana

Software Developer | Jul 2020 - June 2022

- Developed modular frontends using Angular and React; integrated with Node.js/Express and Java backends.
- Collaborated with UI/UX teams using Figma; ensured A11y and mobile responsiveness.
- Wrote unit and integration tests using JUnit and Spock; contributed to CI/CD pipelines.

- Deployed containerized apps on Azure with Docker and GitHub integration.

Tech Stack: Java, Spring Boot, Angular, React, Node.js, Express, Azure, Docker, JUnit, Spock, GitHub, Figma

Projects

Digital Method to Talk with a Machine Using Machine Learning, Team Lead

June 2022

- Built a system that interprets **natural language queries over images** using **CNNs and LSTMs**.
- Integrated computer vision and NLP to process multimodal input and generate intelligent responses.
- Achieved 87% QA accuracy on real-time datasets and implemented using **TensorFlow + Flask**.

Shopping Assistant for Visually Impaired, Team Lead

Dec 2021

- Developed a barcode scanning and text-to-speech system to assist visually impaired users in identifying packaged products.
- The project involved creating an Android application using Python libraries and a MySQL database to scan barcodes, retrieve product information, and convert it into audible output, enhancing accessibility and independence for visually impaired individuals.

Technical Skills

- **Languages:** Java (SE 17/11), J2EE, Python, Bash, Go, JavaScript (ES6+), TypeScript, SQL, PL/SQL, C, C++
- **Backend:** Spring Boot, Spring MVC, Spring Security, Hibernate, Node.js, Express, Django, Flask
- **Frontend:** React.js, Angular (1.x–4), HTML5, CSS3, JavaScript, TypeScript, Tailwind CSS, Bootstrap, Next.js, jQuery, Vue.js
- **.NET Stack:** ASP.NET Core, C#, VB.NET, MVC
- **Cloud:** AWS (Lambda, EC2, S3, RDS, CloudWatch, SQS), Azure, Google Cloud (basic)
- **Databases:** PostgreSQL, MySQL, Oracle, MongoDB, Redis
- **DevOps & Tools:** Docker, Kubernetes (basic), Jenkins, GitHub Actions, Git, Maven, Gradle, Ansible, SVN, Azure DevOps
- **Monitoring & Logging:** CloudWatch RUM, New Relic, Kibana
- **Integration:** Apache Kafka, RabbitMQ, ActiveMQ, JBoss Fuse, REST, SOAP, GraphQL, JWT, OAuth2
- **Testing & QA:** JUnit, Mockito, TestNG, Postman, REST Assured, Selenium (basic), SonarQube, Spock
- **Methodologies:** Agile (Scrum/Kanban), CI/CD, MVC, Microservices, SOA, Sprint Planning
- **AI Tools:** GPT-4, Claude, Amazon Bedrock (LLM integration and workflow automation)

Certifications

- Oracle Certified Professional: Java SE 7 Developer
- AWS Certified Developer – Associate
- Full-Stack Java Development – Coursera
- Machine Learning Training – Internship Studio
- Image Processing and Computer Vision – Udemy
- TAIT Hackathon Coding Contest Winner - Vardhaman College (Project patented)