JAHNAVI PATEL

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SUMMARY

Software engineer with 1.5 years of experience building and supporting distributed web applications. Hands-on with Java, Spring Boot, Python, and JavaScript, creating REST-based services, tests, and deployment pipelines. Comfortable working across teams to understand requirements and ship reliable, maintainable software.

EDUCATION

Northeastern University   **Jan 2024 - May 2026**
Master of Science, Information Systems   *Boston, MA*
  • **GPA:** 3.71/4.0

Jawaharlal Nehru Technological University   **Aug 2019 - Jul 2023**
Bachelor of Technology, Information Technology   *Hyderabad, India*
  • **GPA:** 3.4/4.0

TECHNICAL SKILLS

  • **Languages**: Java, Python, JavaScript, TypeScript, SQL
  • **Frontend**: React, Angular, HTML, CSS
  • **Backend**: Spring Boot, Django REST Framework, REST APIs, Microservices
  • **Databases**: MySQL, Firebase, PostgreSQL
  • **Cloud & DevOps**: AWS (EC2, S3, Lambda), Docker, CI/CD, Linux
  • **Testing**: JUnit, Mockito, pytest, Jest, Test-Driven Development
  • **Tools & Practices**: Git, Agile/Scrum, Object-Oriented Programming, Design Patterns, AI Coding Assistants-
    , Performance Improvement

PROFESSIONAL EXPERIENCE

Xroadz Inc.   **Jul 2025 - Dec 2025**
Software Developer Co-op
  • Built a full-stack sensor data platform with a Django REST backend and React/JavaScript frontend, shipping features across authentication, data ingestion, and real-time processing in a fast-paced startup environment.
  • Designed and implemented 15+ RESTful API endpoints with comprehensive error handling, input validation, and API versioning following REST best practices and object-oriented programming principles
  • Implemented a testing strategy using pytest for backend unit tests and Jest for frontend components, keeping high code coverage through automated CI/CD pipelines.
  • Developed responsive React components for data visualization, geospatial mapping, and interactive workflows with component-based architecture and state management
  • Designed MySQL database schema with optimized indexes and complex queries supporting real-time analytics for concurrent users, driving performance improvement in data retrieval
  • Deployed Dockerized services on AWS using CI/CD pipelines with CloudWatch monitoring, helping the team maintain high uptime and quickly spot production issues.
  • Collaborated cross-functionally with product and design teams in Agile/Scrum environment to deliver end-to-end features

Kodem Legal Technology   **Sep 2022 - Jul 2023**
Software Developer Intern
  • Developed a microservices-based Java/Spring Boot backend for a cloud HR platform used by 500+ users across multiple law firms.
  • Built independent payroll processing, PTO tracking, and employee onboarding services with separate MySQL databases and RESTful API contracts
  • Maintained over 90% test coverage using JUnit and Mockito, writing unit and integration tests that ran in automated CI/CD pipelines.
  • Designed RESTful APIs for Angular/TypeScript frontend integration with versioning, robust error handling, and inter-service communication patterns
  • Implemented JWT-based authentication and role-based authorization across microservices using Spring Security
  • Optimized SQL queries and database schemas for multi-tenant architecture, reducing response times by 25%
  • Participated in Agile/Scrum development with code reviews, sprint planning, and iterative feature delivery, contributing to improvements in system reliability and user engagement.