

Pratik Patel

Full Stack Software Engineer | [AWS Cloud Practitioner](#) | [AWS AI Practitioner](#)

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Green Card - Authorized to work in the U.S. without sponsorship now or in future

Experienced Software Engineer with over 4 years of expertise in designing and developing scalable full-stack web applications using Java and JavaScript stacks. Proficient in React.js, Next.js, Node.js, Java, Spring Boot, and RESTful APIs, with hands-on experience integrating AI-driven solutions. Skilled in microservices architecture, Docker, and CI/CD pipelines, delivering high-performance, user-centric solutions. Adept at leveraging modern technologies to enhance efficiency, optimize performance, and contribute to robust software development in dynamic, collaborative environments.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, Python
- **Frontend Technologies:** ReactJS, NextJS, Redux, Angular, HTML, CSS
- **Backend Technologies:** Microservices, Spring Boot, Node.js, Express, Spring, Hibernate, RESTful APIs
- **Databases:** MySQL, MongoDB, PostgreSQL AWS RDS, AWS DynamoDB
- **DevOps & Cloud:** AWS (EC2, VPC, S3, lambda, CodeDeploy, Sagemaker), Docker, Kubernetes, Jenkins, GitHub
- **Tools/Software:** Git, IntelliJ IDEA, VS Code, Eclipse, Apache Kafka, RabbitMQ, Postman
- **Data Structures & Algorithms:** Strong knowledge of algorithms and data structures
- **Software Development Practices:** Agile methodologies, CI/CD

EXPERIENCE

Full Stack Developer | Wells Fargo | Chicago, IL

May 2024 - Present

- Collaborated with business stakeholders to gather and analyze functional and non-functional requirements, ensuring alignment with business objectives and user stories. Participated in Agile ceremonies such as sprint planning, backlog grooming, and retrospectives.
- Designed and developed scalable backend architecture for a corporate banking dashboard using **Spring Boot, Java 11, and Oracle SQL Developer**, incorporating Microservices for efficient financial data processing.
- Built **RESTful Web Services** and integrated **AWS cloud services** (S3, Lambda, RDS) to enhance cloud storage, scalability, and system performance. Implemented **Kafka producers and consumers** for asynchronous communication and event-driven architecture.
- Secured backend APIs using **OAuth 2.0 with JWT-based authentication**, ensuring role-based access control and data security.
- Managed database schema versioning and updates using **Liquibase** while optimizing Elasticsearch queries for real-time data analysis and insights.
- Developed and maintained **unit tests** using **JUnit5 and Mockito**, ensuring robust test coverage and reliability through **Test-Driven Development (TDD)**. Conducted **code reviews** to enforce best practices and maintainability.
- Leveraged **Docker and Kubernetes** for containerization and orchestration, streamlining deployment processes. Managed **CI/CD pipelines** using **Jenkins and BitBucket** for automated testing, integration, and deployment.
- Conducted **bug fixes, code refactoring, and performance optimizations**, ensuring system scalability, reliability, and maintainability.

Technology Analyst | Infosys (Client: American Express) | Chicago, IL

March 2021 – April 2024

- Designed and developed **full-stack web applications** using **Java Spring Boot** for the backend and **ReactJS** for the frontend, delivering user-centric solutions and improving customer satisfaction by 25%.
- Implemented **RESTful APIs** with Java, ensuring seamless integration between backend and frontend systems.
- Optimized front-end performance and enhanced UI/UX using **ReactJS**, resulting in responsive and scalable web app.
- Utilized **Docker** to containerize applications, enabling consistent environments across development, testing and prod.
- Integrated **Jenkins** for automated build and deployment pipelines, ensuring efficient and reliable application delivery.
- Created and managed comprehensive **unit tests** for the frontend using **Jest** and the backend using **JUnit**, achieving 95% code coverage and ensuring application reliability and robustness.
- Represented my team during a major global release, collaborating with cross-functional teams to ensure timely delivery and covering QA responsibilities amidst resource constraints.
- Collaborated with cross-functional teams to deliver **7 major projects**, implementing new features, troubleshooting critical issues, and meeting tight deadlines.

Software Developer | Sears Holdings Corp | Hoffman Estates, IL

September 2020 – March 2021

- Developed and maintained **backend applications** using **Java** and **Spring Boot**, ensuring code quality through rigorous testing with **JUnit**.
- Designed and implemented **RESTful APIs** to support seamless data exchange between applications and clients.

- Optimized **MySQL** database interactions using **Hibernate**, resulting in a 20% improvement in appl performance.
- Created complex **SQL queries** and enhanced data persistence, achieving performance gains of up to 30%.
- Designed and implemented **scalable application architectures**, contributing to high-level design documents and translating specifications into functional, reliable backend systems.
- Built and maintained **CI/CD pipelines** with **Jenkins**, streamlining deployment processes and ensuring efficient application delivery.

TECHNICAL PROJECTS

1 - AI powered Chat-Image-Recipe Generator Web Application | Full Stack Developer | [GitHub](#)

Built an application to generate Image, chat and food Recipe. Utilized Java Spring Boot, React, JavaScript, and Spring AI

2 - Reel Review Full Stack App | Full Stack Developer | [GitHub](#)

Developed a full-featured movie review application to provide a platform for movie enthusiasts to share their opinions and discover new films. Utilized JavaScript, ReactJS, Node.js, JWT, Axios, MongoDB, and Cloudinary for image upload.

3 - Sports-center Web Application | Full Stack Developer | [GitHub](#)

Built a web application using Java Spring Boot, React, TypeScript, and Docker

4 - E-Commerce App| Full Stack Developer | [GitHub](#)

Build E-commerce Web Application using MERN stack with Analytics feature using React, Express, JavaScript, MongoDB

5 - AI Chatbot using RAG | Full Stack Developer | [GitHub](#)

Built an AI Chatbot using RAG to get responses from uploaded document. Utilized NextJs, TypeScript, OpenAI, pinecode.

EDUCATION

- **Master** in Computer Science - City University of Seattle **September-2024**
- **Bachelor** in Computer Science - Software Development - Northern Illinois University **August-2020**

CERTIFICATIONS

- AWS AI Practitioner - 93089ad51a9d49fe952c4474e5405ab9 **January-2025**
- AWS Cloud Practitioner - 2F87QWQ27BEQ1XGT **March-2023**