

Atul Desai

www.linkedin.com | +91- 1234567890 | abc@gmail.com

SOFTWARE DEVELOPMENT ENGINEER

Senior Software Engineer with over 8 years of experience designing, developing, and supporting enterprise applications across finance, banking, logistics, retail, and technology environments. I have built expertise in Java, Spring Boot, Angular, Microservices, REST APIs, AWS, and cloud-native development, delivering secure, scalable, and high-performing software solutions. My experience spans the full software development lifecycle, including application development, system integration, cloud infrastructure automation, performance optimisation, production support, and CI/CD-based deployments. Throughout my career, I have worked closely with architects, product owners, business stakeholders, and cross-functional Agile teams to deliver enterprise solutions that improve operational efficiency and business performance. I have owned application modules, contributed to technical design decisions, mentored junior developers, and enjoy solving complex technical challenges while building reliable, maintainable software and continuously expanding my expertise in cloud technologies and modern application development.

CORE COMPETENCIES

- Enterprise Java Application Development
- Microservices & REST API Development
- Cloud Infrastructure & Infrastructure as Code (IaC)
- System Integration & Middleware
- Production Support & Root Cause Analysis
- Full Stack Development (Java & Angular)
- AWS Cloud & Serverless Computing
- Application Performance Optimisation
- CI/CD & DevOps Practices
- Agile Software Development (Scrum)

TECHNICAL SKILLS

- Languages:** Java, Python, SQL, JavaScript, TypeScript
- Frameworks:** Spring Boot, Spring Framework, Hibernate, Angular, JAX-RS, JAX-WS
- Cloud & DevOps:** AWS Lambda, API Gateway, EC2, S3, DynamoDB, CloudFormation, Jenkins
- Databases:** Oracle Database, SQL, PL/SQL
- Web Technologies:** REST APIs, SOAP Web Services, HTML5, CSS3, Bootstrap, AJAX, jQuery
- Tools:** Git, Maven, Splunk, JIRA, JBoss Fuse

WORK EXPERIENCE

Software Development Engineer Infobiz Systems LLC | Michigan, USA

May 2023 – Mar 2026

- Developed and maintained enterprise Java applications supporting 300–700 internal users and processing several hundred business transactions daily, contributing to reliable and scalable business operations.
- Owned assigned application modules through the full software development lifecycle, including solution design, development, testing, deployment, production support, and defect resolution.
- Built backend services using Java, Spring Boot, Spring Framework, Hibernate, and Oracle Database while integrating frontend applications with REST APIs to deliver secure and high-performing business solutions.
- Designed and developed responsive user interfaces using Angular 8, TypeScript, HTML5, CSS3, Bootstrap, JavaScript, AJAX, and jQuery, creating reusable components and shared services to improve maintainability and accelerate feature development.
- Improved application performance by implementing database connection pooling, eliminating redundant database queries, and optimising backend data retrieval to enhance application responsiveness and reduce user-reported performance issues.
- Prepared technical documentation for user stories, participated in code reviews, unit testing, debugging, and collaborated within a 15–20 member Agile Scrum team comprising developers, QA engineers, DevOps teams, product owners, and technical leads to deliver enterprise applications.

Senior Software Development Engineer Brillio LLC | Edison, New Jersey, USA

Oct 2022 – Mar 2023

- Developed cloud-native and serverless applications using AWS Lambda, API Gateway, DynamoDB, EC2, S3, and CloudFormation, delivering scalable and reliable enterprise solutions.

- Automated AWS infrastructure provisioning using CloudFormation and Python (boto3), replacing manual deployment activities with repeatable Infrastructure-as-Code processes and improving deployment consistency across environments.
- Designed and enhanced REST APIs, backend services, and data models while refactoring application components to improve performance, scalability, and maintainability.
- Contributed to implementation-level cloud design decisions by selecting appropriate AWS services, including Lambda, API Gateway, DynamoDB, and CloudFormation, based on application requirements.
- Monitored application health using Splunk, performed root cause analysis of production issues, and collaborated with development teams to troubleshoot defects and improve system stability.
- Mentored two junior developers through code reviews, debugging sessions, and Agile development practices, helping them deliver production-ready user stories independently.

Software Engineer

Loop Bell Tech | Farmington, Michigan, USA

Jan 2020 – Oct 2022

- Developed and maintained high-volume, low-latency Java applications for mission-critical enterprise systems, supporting the complete software development lifecycle from requirements analysis through deployment and production support.
- Designed and developed backend services, REST and SOAP web services, and user interfaces using Java, Spring, HTML, CSS, JavaScript, AJAX, jQuery, and TypeScript, while integrating third-party APIs using XML and JSON.
- Collaborated with architects, product owners, and cross-functional Agile teams to translate business requirements into scalable technical solutions, contributing to application design, cloud adoption, and technology roadmaps.
- Built automation scripts to support cloud deployment and maintenance activities, selected appropriate AWS services based on application requirements, and assisted in configuring secure cloud infrastructure.
- Investigated production issues involving application performance, memory leaks, and multithreading, performing root cause analysis, debugging, refactoring, and optimisation to improve system stability and reliability.
- Mentored two junior developers through code reviews, technical guidance, and Agile development practices while contributing to sprint planning, effort estimation, testing, and deployment across development, staging, and production environments.

Supply Chain IT Engineer

Advent Logistics Pvt. Ltd. | Bengaluru, India

Jun 2016 – Aug 2017

- Supported enterprise IT infrastructure across 5–10 customer sites, maintaining servers, network devices, and Industrial Control Systems (ICS) to ensure reliable business operations.
- Installed, configured, and maintained enterprise hardware and software, including servers, routers, switches, firewalls, and network equipment while troubleshooting complex infrastructure and connectivity issues through root cause analysis.
- Developed Standard Operating Procedures (SOPs) for system and software implementation, helping standardise deployment processes and improve operational consistency across customer environments.
- Designed network configurations, cabling layouts, and infrastructure documentation for multi-site deployments, ensuring secure, scalable, and repeatable implementations.
- Assisted in disaster recovery planning, incorporated security best practices into infrastructure deployments, and contributed to improving system resilience and risk management.
- Worked closely with customers and internal stakeholders to diagnose hardware and software issues, recommend solutions, maintain the Known Error Database (KEDB), and provide timely technical support.

Software Engineer

Camtek Solutions | Bengaluru, India

Jun 2015 – Jul 2016

- Gathered and analysed business requirements to design, develop, and maintain enterprise Java applications, working closely with integration, middleware, and project teams to deliver business solutions.
- Developed and integrated REST and SOAP web services using JAX-RS, JAX-WS, JAXB, Spring Boot, and Oracle Database, supporting approximately 20–30 enterprise integrations across 3–5 business applications.
- Built responsive user interfaces using HTML, CSS, and AJAX while developing backend functionality with Java, JDBC, SQL, and PL/SQL to support secure and efficient transaction processing.
- Managed application builds, deployments, and environment configuration using Maven, Jenkins, JBoss Fuse, Git, and Splunk while supporting end-to-end testing, production deployments, and application monitoring.
- Worked throughout the software development lifecycle, including solution design, coding, unit and integration testing, debugging, technical documentation, and production support to deliver reliable and maintainable applications.
- Collaborated with cross-functional teams and offshore stakeholders to resolve technical issues, improve software quality, and ensure successful delivery within project timelines.

EDUCATION

- **Master of Science (M.S.), Industrial & Systems Engineering**
University of Michigan–Dearborn | Dearborn, Michigan, USA
- **Bachelor of Engineering (B.E.), Mechanical Engineering**
Sunrise University | Alwar, Rajasthan, India

SELECTED ACADEMIC PROJECTS

University of Michigan–Dearborn | Dearborn, Michigan, USA

News Recommendation System | Michigan Journal

- Developed a content-based news recommendation system using MINITAB to personalise article recommendations based on user interests.
- Improved article engagement by approximately **20%** during prototype evaluation.

Predictive Analytics for Product Recommendation | The Home Depot

- Built predictive models using ANOVA, Decision Trees, K-Nearest Neighbours (KNN), and Support Vector Machine (SVM) algorithms to recommend suitable soil and fertilizer products based on customer requirements.

Demand Forecasting & Supply Chain Analytics | Walmart

- Analysed inventory and supply chain data, applying Exponential Smoothing techniques to forecast demand patterns and support inventory planning.

Corporate Newsletter Prototype | Sam's Club

- Developed and tested a prototype newsletter application to improve internal communication and information sharing.

Website Usability Prototype | Jet's Pizza

Designed and evaluated a website prototype using usability heuristics and acceptance testing to improve user experience