

RONAK VIROJA

SENIOR SOFTWARE ENGINEER

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ABOUT ME

Results-driven Senior Software Engineer with 10 years of experience in backend development, microservices, cloud infrastructure, and automation. Proven track record of designing scalable systems, leading cross-functional teams, and mentoring engineers. Expertise in Java, Spring Boot, AWS, Azure, and DevOps with a strong focus on optimizing system performance and reliability. Passionate about Generative AI and automation, actively exploring prompt engineering and AI-powered solutions.

EDUCATION

Master of Computer Applications – Gujarat University, 2012-2015 (79.66%)

Bachelor of Commerce – Saurashtra University, 2009-2012 (70.45%)

PROJECTS AND EXPERIENCE

Senior Software Engineer

Walmart Global Tech, Bangalore, India (May 2019 - Present)

- Designed and maintained backend services for an in-house application supporting order fulfillment in supply chain and retail eCommerce.
- Led complex problem-solving initiatives and feature development while coordinating across multiple teams.
- Developed highly scalable backend applications using Java and Spring Boot.
- Provided technical mentorship to new team members, improving onboarding efficiency and knowledge sharing.
- Automated recurring operational fixes and productionized changes to enhance system stability and reduce downtime.

Senior Software Engineer

Tracxn Technologies, Bangalore, India (Oct 2017 - May 2019)

- Worked in the Infrastructure (Platform Engineering) team, developing RESTful APIs and managing cloud infrastructure.
- Designed and maintained production cloud servers, ensuring high availability and scalability.
- Automated microservices deployment and management using Ansible, reducing manual interventions by 40%.
- Developed scripts for automating Amazon Machine Image (AMI) creation for seamless infrastructure scaling.
- Created an internal web console that streamlined staging and production environment management for engineering teams.

System Engineer

Tata Consultancy Services, Pune, India (Aug 2015 - Oct 2017)

- Developed and enhanced online banking web applications for businesses, improving user experience and security.
- Implemented new features in the online loan application process, optimizing the customer journey.
- Restructured the main UI using AngularJS, improving navigation and user interaction.
- Integrated web analytics (Site Catalyst) to track and enhance customer engagement metrics. Worked with various technologies, including Java, JSP, Struts, Spring framework, and AngularJS.

TECHNICAL SKILLS

- Programming: Java, Spring Boot, Python, Shell Scripting, Data Structures
- Cloud & DevOps: AWS, Azure, Ansible, Docker, Kubernetes
- Databases & Storage: SQL, ElasticSearch, MongoDB
- Tools & Platforms: Jenkins, IntelliJ, Kibana, Maven, Looper
- System Design & Architecture: Scalable Microservices, Distributed Systems, API Development
- Leadership & Strategy: Cross-Team Collaboration, Mentoring, Technical Roadmap Planning

ACHIEVEMENTS

Oracle Certified Associate

May 2017 - Acquired Oracle Certified Associate, Java SE 8 Programmer Certification with 92%.

Research Work - Automatic Plant Detection

Jan-Jun, 2015 - Worked on 'Automatic Plant Species Recognition Technique Using Machine Learning Approaches' and built a working model during the academic project. Research paper presented at CoCoNet'15, IEEE. Published in IEEE (<https://ieeexplore.ieee.org/document/7411268>).

SIDE PROJECTS & INTERESTS

Generative AI Chatbot (Ongoing)

- Building an AI-powered photo app to ease posting for enthusiastic social media users.
- Exploring prompt engineering & model fine-tuning to improve AI-generated insights and response accuracy.

KEY STRENGTHS

- ✓ Scalable System Design | ✓ Performance Optimization | ✓ Cloud Infrastructure | ✓ Microservices Architecture
- ✓ Cross-Team Leadership | ✓ Automation & DevOps | ✓ Generative AI & Machine Learning Enthusiast
- ✓ Mentoring & Technical Strategy | ✓ Cost Optimization & High-Performance Computing