

Debashis Chowdhury

Lead Software Engineer | Cisco

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Summary

Results-driven **Lead Software Engineer** with **9+ years of experience** architecting, developing, and deploying **scalable, high-performance** software solutions for web applications. Proven ability to **lead engineering teams**, drive complex feature development from concept to delivery, and optimize system performance. Expertise in **Java, Spring Boot, Microservices, and Cloud technologies (Azure, AWS)**. Passionate about leveraging **cloud computing, AI, and automation** to solve challenging problems.

Technical Skills

Programming: Java, Python, JavaScript, Shell Scripting

Frameworks & Tools: Spring Boot, Microservices, Angular, React, Hibernate

Cloud & DevOps: Azure, AWS, Docker, Terraform, CI/CD (Jenkins, Azure DevOps)

Databases: Oracle, PostgreSQL, MySQL, MongoDB

Tools: Jira, Confluence, Git, Bitbucket, Kafka, Elasticsearch, Assistededge RPA

Professional Experience

Cisco Systems India Pvt. Ltd. | Lead Software Engineer (SDE 4)

Jan 2022 – Present

Project: Cisco Optical Network Planner (CONP)

- **Led feature grooming**, writing **acceptance criteria**, and engaging with **multiple stakeholders** to understand hardware features, functionalities, feature planning, design, execution, and deployment in agile environments, owning delivery timelines and technical quality.
- Spearheaded **end-to-end development** of critical features such as Multi-Carrier support, Transponder Aggregation, and TXP integration across platforms (NCS 1010, 1001, 1014, 2000)
- Took **end-to-end feature ownership** for PostgreSQL migration, creating backup scripts and a data migration tool to seamlessly transition from **MongoDB to PostgreSQL**.
- **Owned** the performance analysis of NCS1010, resolving critical issues across modules and components with high-quality solutions and effective teamwork and reduce analysis time by 90%.
- **Developed an automated validation tool** to cross-check L0 optical parameters generated by the Optical Planner against actual device outputs, significantly **reducing manual effort and human error** during validation.
- **Mentored** junior engineers, conducted in-depth code reviews, and fostered a collaborative and high-performance engineering culture. Provided guidance on best practices, design patterns, and coding standards, ensuring the team consistently delivered high-quality, maintainable code.
- Delivered clear, detailed **technical documentation**, providing valuable resources for teams and stakeholders.
- **Received 15+ recognitions**, including the prestigious **Q2 FY23 Quality Award**, for upholding high coding standards, minimizing SonarQube issues, and consistently delivering high-performance, maintainable software solutions.

Philips India Ltd. | Software Technologist 1

Feb 2021 – Dec 2021

Project: Population Health Management - Connected Care

- Developed a **customer onboarding and configuration management application** with **four microservices**, integrating users, permissions, and configurations. Which helped new customers to be onboarded to the Data Manager, Insights and related applications.
 - Built RESTful APIs adhering to **OpenAPI standards** and implemented unit testing with **JUnit, Mockito, and Pact**.
 - Led security initiatives, including **Black Duck, Fortify, and penetration testing**, ensuring compliance with security best practices.
 - Actively participated in **Sprint Planning, impact analysis, and mentoring junior engineers**.
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Wipro Limited | Associate Consultant

Oct 2019 – Feb 2021

Project: CBIC Portal Development (Govt. of India)

- Developed and maintained **taxation and dispute resolution applications**, improving workflow efficiency.
 - Designed and built **APIs using Spring MVC and Hibernate**, ensuring **seamless integration** with BPM workflows.
 - Enhanced **Angular-based UI**, ensuring a responsive and user-friendly interface.
 - Mentored junior developers and conducted **code reviews**, improving **overall team productivity**.
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Infosys Limited | Senior Software Engineer

Dec 2015 – Sep 2019

Project: Automation COE & Logistics Super Suite

- Developed a **Production Support Workbench portal**, automating manual support tasks and enhancing efficiency by reducing manual effort by **40 hours/week** for a project team.
 - Created an **Intelligent Ticket Assignment System** using Python, **reducing resolution time by 30%**.
 - Built an **ElasticSearch-powered knowledge management system**, enabling faster data retrieval helped to get related tickets and resolutions.
 - Designed and developed AngularJS-based **dynamic UI components**, improving user experience.
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Education

B.Tech - Computer Science & Engineering

Government College of Engineering and Ceramic Technology | 2015 | **7.82 CGPA**

Certifications & Achievements

- **Azure DevOps Certified**
- **Recognized as a Security Champion** at Philips
- 🏆 1st Prize – Cisco Hackathon “SUSTAIN-A-THON”
- 🥈 2nd Prize (₹25k) – BOTATHON | 🥉 3rd Prize (₹50k) – Big Bot League (EdgeVerve)