

MAHESH KUMAR DEY

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Professional Summary

Software Engineer with 3+ years of experience in Java backend development, production support, automation, and REST API development in banking and enterprise systems. Proficient in Spring Boot, AWS, scripting, and troubleshooting. Proven track record in improving uptime, automating processes, and delivering scalable solutions in Agile teams. Adept at leveraging emerging technologies like GenAI and prompt engineering to solve real-world challenges.

Work Experience

Software Engineer

Jan 2022 – Present

Cognizant Technology Solutions, Kolkata

- Designed RESTful APIs using Spring Boot to power enterprise banking services, improving data efficiency.
- Developed UI-integrated backend with filtering and pagination, improving load time by 30%.
- Built batch processing workflows using Spring Batch to automate 10+ repetitive data flows.
- Automated SOPs using Python and scripts, reducing production lead time by 40%.
- Resolved high-impact production incidents, achieving 99.9% uptime SLAs.
- Handled L2/L3 support and executed deployment validations in critical change windows.

System Engineer

June 2021 – Dec 2021

Infosys Ltd., Pune

- Managed quality and review of technical documentation for financial applications.
- Handled service requests for document-based compliance and release auditing.

Education

B.Tech in Computer Science & Engineering

2016 – 2020

CSIT, Chhattisgarh Swami Vivekanand Technical University

67%

Higher Secondary (PCM)

2014 – 2015

Govt. Hr. Secondary School, Risali (CGBSE)

80%

High School (Class 10)

2012 – 2013

Govt. Hr. Secondary School, Risali (CGBSE)

80%

Technical Skills

Languages: Java, Python, JavaScript, SQL, Shell Script, HTML5, CSS3

Frameworks: Spring Boot, Spring MVC, React.js, Bootstrap, jQuery

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda), Docker, Nginx, Apache, Git, GitHub Copilot, VPS Hosting, CI/CD Pipelines

AI/ML/GenAI: ChatGPT, Prompt Engineering, LLaMA, Claude, Google AI Studio, Grok, GenAI APIs

Automation & Web Scraping: Selenium, Xpath, Requests, BeautifulSoup, Batch Scripting, Regex

API & Data: REST API Design, Pandas, JDBC, PL/SQL, JSON, Web Crawling, Data Transformation

Security: SQL Injection, Bruteforce, OWASP, Postman Testing, Firewall Rules

Tools & Platforms: STS, Eclipse, VS Code, Postman, Oracle DB, SQL Workbench

Methodologies: Agile, SDLC, Production Support, Incident/Change Management, Documentation

Achievements & Certifications

Certified Courses (Udemy, AWS, etc.)

2023 – 2025

Git, Spring MVC, Shell Scripting, AWS Essentials, Bootstrap, PL/SQL, DevTools, Responsive Design, Innovation, etc.

Flutter App Development

2020

Certified by ILDC

Data Science Workshop

2019

Certified – Codeutsava, NIT Raipur

Mozilla Web VR Competition

2018

2nd Place – Developed Web-Based VR Game

Modern App Development (NPTEL - IMAD) <i>Completed with distinction</i>	2018
Hackathons & Tech Fests <i>Participated in Mozilla Hackathon, Laqshya Tech Fest, Web Dev workshops</i>	2017 – 2019
Leadership & Volunteering	
Laqshya'19 Organizer <i>Core organizing team of CSIT Durg's national tech fest</i>	2019
Cyber Security Workshops <i>Attended CYBSEC'18 on Hacking & Network Security</i>	2018
Pre-null Security Community <i>Active contributor – Raipur/Durg Chapter</i>	2017 – 2020
Mozilla Campus Club <i>Core contributor, campus events & open source initiatives</i>	2017 – 2020