

Contact

chauhan.abhinay.singh@gmail
.com

www.linkedin.com/in/cabhinay
(LinkedIn)

www.abhinay.co.in/ (Portfolio)

Top Skills

Artificial Intelligence (AI)

C#

Azure Functions

Languages

Hindi (Native or Bilingual)

English (Professional Working)

Certifications

Bootstrap

Microsoft Hackathon Winner

Neural Networks and Deep Learning

Programming Foundations:
Algorithms

Abhinay Chauhan

Software Engineer II @ Microsoft | Backend, Cloud (Azure/AWS), AI-
powered Systems | Scalable Platforms & Microservices
Bengaluru, Karnataka, India

Summary

I am a Software Development Engineer II at Microsoft, passionate about building scalable backend systems, secure platforms, and cloud-native solutions. Over the past 4+ years, I have delivered high-impact projects across ad-tech, financial services, and operating systems, touching millions of developers and billions of end-users.

My expertise lies in .NET, Java (Spring Boot), Azure, AWS, and AI-driven automation. I have successfully built platforms from scratch, migrated large-scale databases, modernized monoliths into microservices, and introduced LLM-powered solutions to improve accuracy and developer productivity.

Beyond technical execution, I enjoy solving complex problems, driving measurable performance gains (10x accuracy improvements, 50% faster load times), and contributing to products at scale.

I am always open to connecting with professionals across cloud, AI/ML, fintech, and ad-tech to exchange ideas and explore collaboration opportunities.

Experience

Microsoft

Software Engineer 2

May 2024 - Present (1 year 4 months)

Bengaluru, Karnataka, India

At Microsoft, I've had the opportunity to work on high-impact platforms and services that touch developers worldwide and billions of Windows users. Some highlights of my work include:

- Built a platform from the ground up for Microsoft Windows Test Technology that evaluates how deterministic, secure, and modern tests are. This platform

empowers thousands of developers who build apps on Windows and indirectly supports 6+ billion Windows OS users.

- Improved system performance by ~50% by migrating data from multiple cluster databases into a unified single database using Azure Data Factory. This not only reduced complexity but also optimized page load times significantly.
- Created an Automated Quarantine Service to identify and isolate insecure tests (such as those using plain-text passwords), strengthening the overall security posture of the Windows testing ecosystem.
- Enhanced password detection accuracy by transitioning from a regex-based approach to an AI-powered LLM solution, which accurately determines if a string is a username or password. This innovation reduced false positives and false negatives by nearly 10x, greatly improving developer productivity and confidence in test results.

TripleLift

Software Developer 2

July 2023 - May 2024 (11 months)

Pune, Maharashtra, India

At TripleLift, I worked on building scalable backend services in the ad-tech ecosystem, focusing on ad exchanges and performance optimization:

- Engineered a microservice in Java & Spring Boot that optimized GraphQL queries and mutations, improving API response time by 20%.
- Strengthened security by integrating Auth0-based authentication, reducing potential security risks by 30%.
- Automated CI/CD pipelines with GitHub Actions, reducing deployment time by 40% and ensuring consistent, error-free releases.
- Worked across a diverse technology stack including Grafana, Backstage, and AWS, broadening experience in monitoring, observability, and cloud services.
- Gained deep exposure to the ad-tech ecosystem (DSPs, SSPs, and exchanges), contributing to business-critical ad serving workflows.

Credit Suisse

2 years 2 months

Software Developer 2

December 2022 - July 2023 (8 months)

Pune, Maharashtra, India

Software Developer

June 2021 - December 2022 (1 year 7 months)

Pune, Maharashtra, India

At Credit Suisse, I contributed to modernizing legacy systems and automating trade workflows within the Securities Confirmations domain:

- Led monolith-to-microservices refactoring for the Securities Confirmations system, improving scalability and maintainability.
- Automated trade affirmation and chasing emails with Spring Boot workflows, saving ~1.2 FTEs by reducing manual interventions.
- Developed document comparison APIs to validate trade documents with configurable thresholds, saving ~1.5 FTEs and improving trade settlement accuracy.
- Built integrations across multiple microservices using REST clients to streamline downstream data processing.
- Worked on SAP BO/Crystal reports for compliance and operational reporting.

DBS Bank

Full Stack Developer

October 2020 - June 2021 (9 months)

Hyderabad, Telangana, India

- Developed Rest APIs in Node.JS and connected them with React.
- Implemented different charts for Agile Methodology with use of JIRA rest APIs.
- Improved Knowledge in SDLC - Working in Agile Software Development Methodology.
- Improved knowledge of Swagger.

InterviewBit

Campus Ambassador

July 2019 - June 2020 (1 year)

Pune Area, India

Education

Army Institute of Technology, Pune

Bachelor of Engineering - BE, Computer Engineering · (2016 - 2020)

Kendriya Vidyalaya

12th, Computer Science · (2010 - 2015)