

Amarbir Singh

amarbir1800@gmail.com | 437 982 5618 | Ontario, Canada | singhamarbir.com | a-5ingh.github.io/credly

Cloud and DevOps Architect with 15 years at Infosys, specializing in AI adoption, multi-cloud infrastructure, CI/CD automation, and full-stack development. Active open-source maintainer for CNCF ecosystem projects JHipster and Kyverno. Led cross-functional teams, reduced deployment cycles by 20%, automated 85% of regression testing, and mentored 25+ engineers to full DevOps and AI adoption. Skilled in Azure, Kubernetes, GitHub Actions, and modern application frameworks across JavaScript, TypeScript, C#, and Python.

WORK EXPERIENCE

Infosys Limited, Canada

Senior Software Engineer / Senior Technologist

Apr 2022 - Present

- Architected and developed Agent Forge a centralized enterprise CLI tool that unifies generative AI prompt distribution, custom agentic skills, and secure system instructions, accelerating developer onboarding and AI-assisted velocity across the organization.
- Reduced deployment cycles by 20% for a Tier-1 education student information system by architecting cloud-native CI/CD pipelines and Bicep-driven IaC.
- Mentored 15+ engineers in modern Cloud, Application Design and DevOps practices, resulting in 100% adoption of automated infrastructure workflows across 4+ teams.
- Increased operational efficiency by 25% by implementing a standardized .NET Core architecture that supported cross-functional scaling and continuous delivery for 8+ product teams.

Infosys Limited, India

Senior Software Engineer / Senior Technologist

Oct 2019 - Apr 2022

- Platform Engineering: Architected the Infosys in-house platform, enabling 15-minute rapid deployment of production-ready web applications across Azure, AWS, and On-Prem environments.
- Enabled seamless multi-cloud deployment for the iLEAD platform as measured by 99.9% system availability through the implementation of Kubernetes, Docker, and OpenShift strategies.
- Architected a Shift-Left security framework by integrating DevSecOps pipelines into CloudBees Jenkins and Azure DevOps, standardizing automated security gates across all development workstreams.
- Engineered reusable full-stack templates using Angular, React, and VueJS integrated with NodeJS (NestJS) and Spring Boot, supporting accelerating new application scaffolding from days to hours.
- Engineered containerized solutions for diverse technology stacks (Dotnetcore, NodeJS, Spring boot etc.), improving resource utilization and portability across IIS and cloud-native clusters.

Infosys Limited, India and US

Software Development Engineer in Test

Feb 2011 - Sep 2019

- Achieved 40% enhancement in test coverage for high-stakes financial applications by leading the design of automated report comparison tools and VBA-based frameworks.
- Automated 85% of regression testing for equity trading platforms by designing custom testing frameworks and implementing RPA solutions using Blue Prism.
- Established code review standards in Bitbucket and modular automation libraries for 60+ applications, improving maintainability and decreasing script failure by 20%.
- Coordinated global delivery across US and Indian hubs, ensuring zero-defect releases for a major financial services client.

SKILLS

- Python, JavaScript, C#, Bash, Angular, React, Nodejs, Typescript, Go, Dotnetcore, PowerShell
- Infrastructure Automation (Bicep, Terraform, Azure DevOps, GitHub, GitLab, Terraform)
- System Design and Capacity Planning
- Azure, AWS, Google Cloud
- CI/CD and Build Infrastructure, Docker, Kubernetes
- Claude Code, Github Copilot CLI, Kiro

EDUCATION

Chandigarh Engineering College, India

Bachelor of Technology, Computer Science and Engineering

May 2010