

Abhishek Joshi

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PROFESSIONAL SUMMARY

Software engineer with 8.5+ years who thrives at the intersection of software, infrastructure, and data — building reliable systems, driving adoption across teams, and taking full ownership from architecture to production. Most recently at Microsoft, owning two high-impact products serving 5,000+ daily users across the Azure org.

PROFESSIONAL EXPERIENCE

Microsoft Corporation

Software Engineer 2

August 2021 – Feb 2026

Redmond, WA

SafeFly — Change Management Tool

- Designed and implemented new product features for SafeFly, an internal change management approval tool serving 5,000+ daily active users and processing ~500 approval requests per day.
- Led a team of 2 engineers to architect and execute the full migration of SafeFly to the official production Azure tenant, covering both infrastructure and data, with only 30 minutes of planned user downtime.
- Designed and implemented Infrastructure as Code (IaC) using Bicep for SafeFly, enabling repeatable and auditable infrastructure deployments across environments.
- Built and maintained end-to-end CI/CD deployment pipelines for the team, standardizing the release process and eliminating deployment inconsistencies.
- Served as the team's security point of contact for SafeFly, triaging and remediating 50+ dependency vulnerabilities, SDL compliance alerts, and certificate management issues; kept leadership informed on timelines and risk status.
- Designed and configured 10-20 elevated security groups to enforce least-privilege access to SafeFly's production environment, covering multiple access scenarios and resource permission scopes.
- Replaced a manual access provisioning process by building a Bicep-based automation script integrated into deployment pipelines, enabling reproducible, auditable access management.

Code Coverage Analytics Platform

- Owned end-to-end development of a code coverage data pipeline and Power BI dashboard for the Azure Core org, surfacing test coverage insights across all org repositories to engineering leadership and PMs.
- Led a team of 2 vendors and a data scientist to design and deliver a robust, scalable backend and reporting system.
- Partnered directly with PMs across multiple teams to gather pain points and requirements, driving 100+ repos to improve test coverage adoption and onboard to the reporting platform.
- Designed and shipped an automated email outreach system enabling PMs to scale communication, saving 10+ hours of manual tracking and follow-up per week.
- Established a structured feedback channel to address customer questions and queries, improving platform adoption and satisfaction.
- Authored end-to-end onboarding documentation for the code coverage system, now actively used by 100+ engineering teams across the org.

Cerner Corporation (now Oracle Health)

Associate Senior Software Engineer

September 2017 – August 2021

Kansas City, MO

- Designed and implemented backend REST APIs to support patient and encounter registration workflows within large-scale healthcare systems.
- Managed migration of authorization concepts into a separate, independently deployable stack, improving system modularity and security boundaries.
- Upgraded the functional testing suite to use the Cucumber BDD framework, improving test readability, coverage, and team-wide adoption.
- Led a team-wide initiative to scan all projects using HP Fortify static code analysis, identifying and resolving critical security vulnerabilities across the codebase.
- Developed internal tooling to automate batch operations on Jira issues using the Atlassian REST API, reducing manual project management overhead.
- Actively mentored new college graduate hires during onboarding; recognized in the peer recognition program for setting up a new functional testing environment.

TECHNICAL SKILLS

Languages: C#, Java, Python, JavaScript, TypeScript, SQL, KQL

Cloud & Infrastructure: Microsoft Azure, Bicep (IaC), Azure DevOps, CI/CD Pipelines, Production Tenant Management

Data & Analytics: Data Pipelines, Power BI, Dashboard Design, Code Coverage Instrumentation

Security & Compliance: SDL Compliance, Dependency Vulnerability Management, Certificate Management, RBAC / Access Control

Frameworks & Tools: React, Angular, Supabase, Hibernate, Cucumber, JUnit, Mockito, Highcharts, Visual Studio, Git

PROJECTS

MoneyMath — Financial Tools Web App moneymath.ajtech.dev

- Designing and building a personal finance tools platform from scratch, currently featuring a retirement calculator with more tools under active development.
- Built with React and TypeScript on the frontend, Supabase for authentication and data storage, Resend for transactional emails, and deployed on Vercel — owning the full stack end-to-end.

Word Solitaire — Browser-Based Word Game wordsolitaire.ajtech.dev

- Designed and built a word association solitaire game entirely in React and TypeScript, handling all game state, logic, and UI without a backend.
- Deployed on Vercel; demonstrates frontend product thinking and the ability to independently ship a polished, interactive user experience.

EDUCATION

M.S. in Computer Engineering (Computer Systems)

Arizona State University, Tempe, AZ

2017

B.E. in Electronics Engineering

University of Mumbai, Mumbai, India

2014