

Dheeraj Namburu

New York, NY | dheerajnamburu@gmail.com | 6159476217
dheerajnamburu.com | linkedin.com/in/dheeraj-n | github.com/dheeraj5612

EXPERIENCE

Microsoft | Senior Software Engineer | Nov 2020 - Present

- Translated internal artificial intelligence (AI) partner requirements into a production C#/.NET model-promotion pipeline with approval gates, source-version validation, idempotent retries, and end-to-end tests; supported rollout and request correction.
- Delivered Windows product onboarding and on-premises publishing integrations, aligning partner interface contracts, audience routing, payload selection, validation, and rollout across engineering and release teams.
- Extended a shared Model Context Protocol (MCP) server with read-only runtime tools, enabling engineering teams and AI assistants to inspect live release workflows within existing authorization controls.
- Improved release-portal and API performance through storage-side filtering and bounded concurrency, reducing full-page load from 64.6s to 9.5s in a local benchmark (2,366 seeded tickets; median of 3 runs).
- Migrated release monitoring from Azure Logic Apps to Service Fabric and built self-service runtime configuration; diagnosed production lock contention and repaired scheduling and message-retry behavior.
- Hardened operator workflows with security-group authorization and anti-forgery checks; coordinated cross-team production troubleshooting and deployment validation, including rollback watchpoints.
- Optimized CI with bounded test parallelism, reducing the unit-test step from about 13 minutes to 213 seconds in a recorded cloud build; consolidated 108 project restore entries into 3 with a freshness guard.

Cisco Systems | Full Stack Software Engineer | May 2019 - Jun 2020

- Built a ServiceNow natural-language integration using Java, Angular, and MongoDB, alongside internal employee chatbot tooling.

Goldman Sachs | Software Engineer / Product Owner Intern | May 2018 - Aug 2018

- Built a capitalization-table application for investment-banking analysts using MongoDB, Express, Angular, and Node.js.

INDEPENDENT PROJECTS

- **CommandGate** | commandgate.ai - Built an AI desktop technician with React, TypeScript, and Tauri/Rust, connecting agents to endpoint diagnostics, approval-gated repairs, and signed audit evidence.
- **Fouro Chat** | fouro.ai - Built a large language model (LLM) chat app integrating OpenRouter, Clerk authentication, Cloudflare D1, and Stripe webhooks; implemented user-approved memory, account-scoped retrieval, and fixture-based evaluations.
- **FilmyCam** | [App Store](https://appstore.apple.com/us/app/filmycam/id1544144444) - Built a native iOS camera using SwiftUI, AVFoundation, and Core Image, with live image processing, editable film looks, capture review, and photo export.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, Java, Swift, structured query language (SQL)

Platforms: .NET, React, Node.js, Azure, Service Fabric, PostgreSQL, MongoDB

Integration & Delivery: Representational state transfer (REST) APIs, authentication, webhooks, continuous integration and continuous deployment (CI/CD)

EDUCATION

Brown University | B.S. Computer Science-Economics | 2019