

Steeve Joseph

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EXPERIENCE

- Microsoft** Redmond, WA
 - Software Engineer, Azure Cloud & AI* 05/2019 - Present
 - **Ev2 Auto Bootstrap:** Using C#/ASP.NET to build REST API that enables one-click production CI/CD pipeline generation in Azure DevOps, facilitating secure planet-scale deployment to Azure cloud via Ev2.
 - **Source Control Page Modernization:** Mentored a junior engineer on the legacy Geneva Portal's UX architecture and pair-programmed to deliver a modernization feature, cutting the timeline **from 2+ weeks to 3 days** for a service generating **40% of our team's support workload**.
 - **Monitor V2 Parameterization:** Designed and implemented the initial API for Ev2-compatible parameters, enabling multi-cloud deployment. Recruited a teammate to scale the feature across all Geneva account configuration types, streamlining customer management of configurations and deployments across multi-region tenants.
 - **Geneva Source Control Webhooks:** Built an API in C# to re-sync Geneva Monitoring accounts to Azure DevOps, **reducing the support burden by 30%**. Inherited ownership of the epic from a senior engineer, addressing customer pain points and technical constraints to drive the feature forward.
 - **Dev Build Optimizer:** Used Rust, Go, SWC, and Vite to evaluate options for optimizing/speeding up dev and production builds for ReactJS apps.
 - **Metrics Experiences UX:** Collaborated with cross-functional teams, including design, Metrics backend, and non-technical stakeholders, to deliver an embedded metrics UX in ReactJS, fulfilling a key request from a partner team. This feature is integrated into the default onboarding experience and is used by nearly **40% of the partner team's customers** as a core part of their workflow.
 - **Geneva Portal Migration:** Used ReactJS to implement parity features between Geneva Portal and Classic Jarvis Portal, leading to KPIs of **migrating 50%** of systems from Xpert to Geneva and **100% adoption** of Geneva Portal for **40K** customers.
 - **In-App Feedback:** Used ReactJS and C# to implement in-app feedback system, UX for proactive feedback prompts to track portal NSAT (overall satisfaction), and to achieve NSAT score of **185/200**.
 - **Virtual Dashboards:** Built real-time collaborative dashboard service for **20K+ engineers** using C#/ASP.NET and KnockoutJS, **reducing quarterly costs by \$2M**.

PROJECTS

- **Retrieval Augmented Generation Docs Chat:** Built a production-level RAG application enabling dev teams to chat with their docs and students with their textbooks. Utilized FastAPI, Azure OpenAI Embeddings, GPT Turbo 3.5, ChromaDB, and Terraform for seamless infrastructure deployment to Microsoft Azure.
- **AI Playlist Creator:** Developed an AI SaaS app that takes Spotify user data, and the users current mood via sentiment analysis and curates a perfect playlist for the moment. Built using Next.js, tRPC, Tailwind CSS, Prisma, NextAuth.js and deployed on Vercel. This app was a ground-up re-architecture of an existing 6 year old MERN stack application.
- **Desktop GPT:** Developed a cross-platform desktop application that allows users to get AI answers directly from their desktop. Built using Golang, React, TypeScript, and Ollama LLM
- **Foundation of Lights Webapp:** Used NextJS and Paypal to create a web application for a community organization that processes **\$10K+/mo** in donations and supports **200+** unique users. Leveraged SSR to reduce monthly spend by **36x**, net a **5.3x** speed increase, and consume **20.75x** less data.

LEADERSHIP

- **Technical Mentorship:** Currently mentoring multiple junior software engineers, previously mentored mid-level engineers from undergrad until new grad.

SKILLS

- **Languages:** Java/C#, Typescript, Python, Golang, SQL
- **Technologies:** Azure DevOps, MongoDB, Firebase, Docker, Terraform, Vercel, Reactjs/Nextjs, ASP.NET, Node.js, TailwindCSS, Git/Github, Flask, FastAPI, Langchain, Ollama, MySQL

EDUCATION

- **University of Central Florida** Orlando, FL
 - Bachelor of Science in Computer Science* 08/2016 - 05/2020