

Kesean Woodhouse

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SUMMARY

Software engineer with 5 years of experience building backend systems, data pipelines, and API integrations at Microsoft and Stripe. Strongest at the intersection of technical implementation and customer enablement — connecting systems, automating workflows, and helping teams use what gets built. Comfortable across C#, Python, JavaScript/TypeScript, and cloud platforms (Azure, Vercel, Railway). Currently completing a career break focused on modern AI tooling and full-stack production deployment.

SKILLS

Languages: Python, C#, JavaScript, TypeScript, SQL, HTML, CSS

Backend & APIs: Flask, REST APIs, API Integration, Stripe API, Anthropic SDK

Cloud & DevOps: Azure (Data Factory, Functions, SQL, App Services, DevOps), Vercel, Railway, GitHub Actions, CI/CD, PowerShell, Git

Data & Integrations: ETL Pipelines, Power BI, Vector Databases (Qdrant), CRM/ERP Integrations, Segment

Frontend: React, Vite, Tailwind CSS

Practices: Production Deployment, Workflow Automation, Customer-Facing Technical Implementation, Cross-Team Collaboration

EXPERIENCE

Independent Learning & Project Work March 2024 – Present

- Built and deployed Golem, a full-stack developer support chatbot using Claude API, Python/Flask, React/TypeScript, Convex, Clerk auth, and Qdrant vector store. Deployed to Vercel and Railway with CI/CD via GitHub Actions and Playwright e2e tests. Live at <https://golem-support.vercel.app> Github: <https://github.com/kesean/Golem>
- Completed Boot.dev coursework in Python (intro, OOP, functional programming), TypeScript, Linux, and Git;

Software Engineer – Security • Microsoft April 2022 – March 2024

- Built Azure data ingestion pipelines processing multiple GBs of security data daily across 8 tenants — owned architecture, implementation in C#, deployment, and monitoring
- Developed automated risk management tooling using Azure Data Factory and PowerShell, enabling engineers to remove malicious tenants autonomously and reducing manual effort by 70%
- Designed production database monitoring and alerting infrastructure, improving uptime and incident response for a 7-person security team

Integration Engineer • Stripe October 2021 – March 2022

- Supported technical onboarding for enterprise payment integrations, working alongside account managers and customer engineering teams
- Contributed to internal documentation on integration patterns, webhook usage, and security best practices

Software Engineer • Microsoft May 2019 – October 2021

- Designed dual-screen UI prototypes for Surface Duo and Neo, creating new interaction patterns for foldable devices
- Delivered features in C# and XAML for a Windows Universal App on 1B+ devices, including personalized recommendations and operational enhancements
- Promoted from L59 to L60 based on cross-team delivery and ownership

Apprentice Software Engineer • Microsoft LEAP November 2018 – March 2019

- Selected for Microsoft's 16-week apprenticeship program for non-traditional engineering candidates
- Built Power BI dashboards integrating CRM and sales data, enabling field sellers to track leads in real-time

Solutions Engineer • Dynamic Yield January 2018 – November 2018

- Partnered with enterprise clients and account executives on personalization and recommendation engine implementations
- Built JavaScript-based A/B testing and personalization workflows; managed multi-regional proof-of-concepts across US and China markets

EDUCATION & CERTIFICATIONS

Flatiron School — Full-Stack Web Development (Ruby on Rails, React) • 2017

Boot.dev — Python, OOP in Python, Functional Programming in Python, TypeScript, Linux, Git • 2024–2026