

Brendan J. Rae

Senior Software Engineer

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PROFESSIONAL SUMMARY

Innovative and results-driven **Senior Software Engineer** with over 5 years of professional experience designing, modernizing, and scaling enterprise applications across cloud and microservices architectures. Proven track record of leading cross-functional offshore engineering teams, driving architectural migrations from monolithic systems to cloud-native environments, and pioneering team-wide Artificial Intelligence (AI) adoption. Expert in full-stack engineering utilizing C#, .NET, TypeScript, and Angular, coupled with a deep foundation in DevOps, continuous integration, automated testing, and secure engineering practices.

TECHNICAL SKILLS

LANGUAGES

C#TypeScript

JavaScriptPython

RustSQL

FRAMEWORKS

.NET 8+AngularReact

PlaywrightIonicAstro

Capacitor

DEVOPS & CLOUD

AWS Docker

KubernetesCodefresh

GitHub ActionsGit

PowerShell

EMERGING TECH & AI

Agentic AI Systems

Sub-Agent Workflows

Prompt Engineering

TESTING & QA

UI Automated Testing

Unit Testing

Integration Testing

METHODOLOGIES

AgileScrum

Technical Interviewing

PR Reviews

PROFESSIONAL WORK EXPERIENCE

Senior Software Engineer, Applications

June 2021 – Present

Omnicell — Cranberry Township, PA

- Lead a cross-functional offshore team of software engineers in India; spearhead technical onboarding, facilitate complex domain knowledge sharing, author/review technical design documentation, and enforce rigorous code quality via comprehensive Pull Request (PR) reviews.
- Designed and implemented an internal log analysis tool driven entirely by agentic Artificial Intelligence (AI), reducing manual engineering troubleshooting overhead by greater than 80%.
- Spearhead team-wide Artificial Intelligence (AI) adoption initiatives; engineered custom environment instructions, developed system skills files, and successfully integrated agentic AI into production codebases and developer tool repositories.
- Conducted technical demonstrations on leveraging sub-agents within agentic coding environments (Codex), accelerating feature delivery cycles while optimizing and reducing token/credit usage.
- Architected and executed the modernization of a legacy, monolithic application, successfully decomposing core business logic into decoupled, C# .NET microservices hosted within a managed Kubernetes cluster.
- Design, engineer, and scale full-stack capabilities for the Central Pharmacy Manager application using C# and Angular, consistently maintaining greater than 80% test coverage across unit, integration, and UI testing layers.
- Collaborate closely with hiring managers to interview, evaluate, and benchmark technical candidates for engineering roles, designing technical evaluation criteria to ensure high-caliber engineering hires.

C#

.NET

Angular

TypeScript

Kubernetes

Docker

AWS

Playwright

Software Engineering Intern

June 2020 – Sept 2020

Omnicell — Cranberry Township, PA

- Collaborated closely with the DevOps and Release Management teams to design and automate security scanning pipelines using Python, REST APIs, and Azure DevOps / TFS CI/CD pipelines.
- Actively participated in Scrum ceremonies, breaking down large-scale initiatives into actionable user stories and managing deliverables within a sprint backlog.
- Mastered enterprise-level version control using Git, seamlessly integrated code across multi-engineer workflows, and incorporated peer feedback through rigorous code reviews.

Python

REST APIs

Azure DevOps

Git

CI/CD

TECHNICAL PROJECTS

Portfolio Website Development

Nov 2022 – Present

Side Project — Astro

- Designed and deployed a highly performant, personal portfolio site using Astro to serve as an external showcase for technical skills, cloud architecture insights, and professional updates.

Astro

TypeScript

HTML5

CSS3

EDUCATION

Bachelor of Science (B.S.) in Cybersecurity

Graduated May 2021

Slippery Rock University — Minor: Professional Japanese

Cumulative GPA: 3.65 / 4.0 | Major GPA: 3.65 / 4.0

VOLUNTEER & LEADERSHIP EXPERIENCE

Volunteer

April 2023 – Present

Pittsburgh Food Bank

- Coordinate logistics to distribute meals to over 100 families monthly across various regional distribution sites.

Japanese Language Tutor

Sept 2019 – May 2021

Slippery Rock University

- Facilitated language immersion conversation groups and provided tailored academic tutoring to undergraduate students.

STEM Camp Mentor

July 2019

Slippery Rock University

- Chaperoned and mentored groups of up to 16 elementary students in interactive, hands-on technology exercises.
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