Matthew Burns

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Experience

Full Stack Software Engineer

Launch Consulting Group

Oct 2021 - Mar 2024 (2 year 6 months)

- Developed and maintained four single-page applications (SPAs) using React (Nodejs environment), working across teams in both long-term and short-term projects.
- Established front-end coding standards and led a major refactoring initiative to incorporate TypeScript, improving code quality and maintainability.
- Implemented comprehensive application usage logging with Azure Application Insights, utilizing Kusto queries and visualizations to track custom metrics and site usage.
- Designed and developed APIs using ASP.NET, facilitating seamless interactions with a SQL server and efficient data handling.
- Leveraged Microsoft's Semantic Kernel library to create three pre-sales chatbot prototypes, including demoing to clients, training clients, and providing support.
- Provisioned and deployed into Azure resources, built CI/CD pipelines, and utilized Azure Deployment slots to create dynamic sales engineering demos.
- Built and deployed Docker containers for client applications.
- Built RESTful API in AWS using Lambda functions, deployed into AWS Amplify resources.
- Built Front-End application to interface with Firebase and GraphQL APIs.

Full Stack Engineer

Optum

Jun 2020 - Oct 2021 (1 year 5 months)

- Researched and built a custom document conversion solution, saving hundreds of hours of development work.
- Self-taught in React/Redux (Nodejs environment) and full-stack development principles, demonstrating strong self motivation and a commitment to continuous learning.
- Developed RESTful APIs using Python and MongoDB.
- Built a CI/CD pipeline for 4 legacy applications using Jenkins in order to bring my team into enterprise wide compliance.
- Patched 600 security vulnerabilities in legacy applications, bringing them up to enterprise standards.

Research Assistant

Department of Computer Science at The University of Arizona

Jan 2020 - Jun 2020 (6 months)

- Worked on development of RevEngE (Reverse Engineering Engine), a system to monitor and deduce Reverse Engineering methodologies.

- Completed reverse engineering challenges in a monitored environment.

- Tested RevEngE's compatibility with several common reverse engineering tools (IDA and Ghidra).

IT Consultant / Web Designer

Visionary Ophthalmology

Feb 2014 - Jul 2014 (6 months)

- Addressed day-to-day technological issues ranging from staff support to information and network security.

- Designed and maintained multiple websites promoting the practice.

- Worked extensively with previous designers and IT staff as well as hardware vendors.

- Documented all website maintenance procedures for use after my departure.

- Helped implement technology upgrades in the clinic.

Education

University of Arizona

Bachelor of Science - BS, Computer Science

2020

Attended University of Arizona with a full-ride academic scholarship for being National Hispanic Merit Scholar.

Skills

Microsoft Azure • Docker • CI/CD Pipelines • HTML/CSS • C# • React • Javascript/TypeScript • ASP.NET • AWS • Node.js • Python • GraphQL • Firebase

Honors & Awards

Eagle Scout - Boy Scouts of America

I have achieved the final rank of Eagle Scout in the Boy Scouts of America.

My final service project involved planning, organizing, and carrying out the Redmond Derby Days children's parade, which involved leading a team of 40 volunteers to manage 1200 children.

Member of Phi Theta Kappa - Phi Theta Kappa International Honor Society

I was inducted into Phi Theta Kappa International Honor Society for maintaining a minimum GPA of 3.5 during my dual-enrollment classes at Bellevue Community College during high school.

National Hispanic Merit Scholar - College Board

National Merit Scholar recognition program for Hispanic students.