Carson Cook

Full-Stack Software Developer

Tempe, AZ

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TECH EXPERIENCE

American Airlines — *C# and .NET Software Developer*

OCTOBER 2022 - CURRENT

Utilize C#, .NET, React.js, SQL, Azure and other technologies to modernize legacy systems, ensuring secure, scalable, and high-performing applications.

- Migrated a monolithic application to a microservices architecture, leveraging Azure services to enable faster, more efficient deployments while significantly enhancing reliability and security.
- Implement optimizations and address bugs based on feedback from airport agents and business partners.
- Maintain, enhance, troubleshoot current enterprise class applications using domain driven design and test-driven development.

The Tech Academy — *.NET Developer and Python Instructor*

MARCH 2022 - OCTOBER 2022

Developed automated bootcamps with C# in .NET while managing the *Python Live Project* and *Java and Android Live Project.*

- Contributed to infrastructure tracking student progress and automation of LMS functionality to increase profitability by reducing instructor dependency.
- Worked with over 80 students to facilitate their understanding of software development and preparation for the tech industry.
- Lead sprint planning, daily standups, and code retrospectives.

Prosper IT Consulting — *C# and Python Internship Projects*

FEBRUARY 2022 - MARCH 2022

Worked in an Agile/Scrum environment to build applications demonstrating proficiency with back-end and front-end technologies.

- Utilizing Python in the Django framework, created a personality test with accurate comparison to world sample data and job matching functionality.
- Leveraging C# in the .NET framework, built a comments section with reply and like/dislike functionality as a component of a website.
- Demonstrating clean code and elegant design, built a classic arcade game from scratch in Unity using C#.

EDUCATION

The Tech Academy — *Student of Software Development*

AUGUST 2021 - JUNE 2022

Completed 3 rigorous bootcamps in 10 months time, honed essential technical skills and worked on team projects mirroring real-world work environments.

- **Software Developer Bootcamp**

    C# - .NET - Python - Django - SQL

- **Front-end Web Developer Bootcamp**
- JavaScript - React - HTML - CSS - Bootstrap
- **Mobile App Developer Bootcamp**

    Java - Android Studio - Swift - Xcode

LANGUAGES / FRAMEWORKS

C# and .NET
JavaScript and React
HTML, CSS, Bootstrap
MySQL and SQL Server
Azure Services
Python and Django
Java and Android Studio

SKILLS

RESTful API
Azure DevOps
Microservices
Git/GitHub
Agile/Scrum

LIFE EXPERIENCE

International Pianist:
An experienced classical performer with concerts in Singapore, Canada, New Zealand, Thailand, Costa Rica, Mexico, Malaysia, New York City at Carnegie Hall and more.

Service Mission:
Provided care and humanitarian aid to the less fortunate in South Africa for 10 months.

Eagle Scout:
Received the most distinguished award from The Boy Scouts of America.