





AMANDA SANTI

SOFTWARE ENGINEER

CONTACT

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-  419 Birch Hill Dr., Sugar Land TX

EDUCATION

B.S. in Computer Science

Carnegie Mellon University

2004 - 2008

Capstone, pair project included implementation of an x86-based kernel with threading library, drivers. (C, ASM)

AWARDS

2023 HCSS Devvy Award, Winner
Outsider of the Year

2022 HCSS Devvy Award, Nominee
Glue Award
Persistence Award

2021 HCSS Devvy Award, Nominee
Emerging Leader
Persistence Award
Unsung Hero

2020 HCSS Devvy Award, Nominee
Emerging Leader
Pathfinder

2020 HCSS Ideas Cup, Winner
Efficiency Award

PROFILE

Skilled software developer with a talent for coordinating teams

With a passion for creating robust and scalable system architectures, I have over a decade of experience in systems design, .NET, and cloud-based technologies. My expertise in orchestrating development has consistently put me in a place of technical leadership. I regularly deliver features with a high degree of transparency and success.

WORK EXPERIENCE

Senior DevOps Specialist

HCSS

2023 - Present

- Designed and deployed a tool that conducts nightly maintenance across thousands of databases, adhering to database maintenance best practices. Significantly enhanced query performance across the company's cloud product suite. Project success empowered developers to focus on feature delivery by drastically reducing time spent on troubleshooting. (Azure Functions, Azure API, Bicep, CI/CD)
- Established DevOps liaisons group to dismantle product silos and magnify the impact of shared insights and learning

Supervisor

HCSS

2023

- Championed and orchestrated a multi-team initiative to update a fragile system prone to recurrent issues (Azure App Service, REST)
- Led a team dedicated to quickly resolving customer issues and system outages. Elevated management understanding of intricate development team processes, enabling informed decision-making. Efforts around transparency led to the prioritization and automation of many manual workflows (Varied Azure technologies)

Senior Software Developer

HCSS

2018 - 2023

- Spearheaded end-to-end delivery of various feature sets, steering projects from conceptualization to fruition. Proactively ensured transparency, agility, and quality deliverables through clear communication and by breaking down tasks into attainable vertical slices. (Varied Azure technologies)
- Facilitated a transformative shift in team culture, steering away from dependence on tribal knowledge and instead fostering a proactive habit of collaborative pairing and comprehensive documentation for issue resolutions. (Confluence, Google Meet)
- Played a key role in replacing a legacy, custom ORM solution with industry-standard tooling, revitalizing the company's API layer and standardizing schemas across underlying databases, enhancing database maintainability and scalability. (Azure, SQL, EF, CI/CD, ASP.NET, REST)

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EXPERTISE

- Programming Languages.** Proficient in C# and Python with additional experience in Javascript, C, and C++, with a strong foundation in multi-threading, programming patterns, and data structures
- Project Coordination.** Adept at orchestrating large-scale projects with a transparent and methodical approach. Proficient in identifying essential tasks and bridging gaps caused by communication barriers
- Cloud Architecture.** Experienced in designing, deploying, and managing cloud-based solutions for scalable and resilient architectures
- DevOps Methodologies.** Experienced with infrastructure-as-code tools like ARM, Bicep and Terraform to provision infrastructure alongside Azure DevOps pipelines and GitHub Actions for efficient software delivery

PERSONAL PROJECTS

Advent of Code 2020 - 2023

Annual online programming challenge throughout December, designed to test and enhance coding skills across domains.

Triples, v.3 2021

Developed an infinite, online version of the popular card game Set

WORK EXPERIENCE

Software Developer

Arcurve 2018

- Implemented SaaS v1 productivity solution tailored for in-house counsel as part of a time-bound contract project. (ASP.NET, React, HTML, CSS, EF, Git)

Software Developer

Arcurve 2014 - 2016

- Created a toolkit that enables users to map and interact with oil pipeline networks seamlessly through a 3D rendering package (C#, GIS, OIV)
- Collaborated with senior architects to establish a maintainable architecture for the toolkit's highly-interdependent feature set (UML, software architecture)
- Automated the toolkit's build and publication to the client's internal servers for quick integration by package consumers (TFS, NuGet)
- Integrated the toolkit into an enterprise application to replace a pre-existing, fragile implementation (WPF)
- Served as AGILE coach and interim team lead, forecasting and tracking project milestones

Software Developer

Neuric, LLC 2009 - 2014

- Implemented and optimized AWS back-end for social media aggregator. (C#, Linq, PostGreSQL, JSON)
- Designed and implemented front-end for several iterations of desktop search tool. (WPF, C#)
- Optimized desktop application via parallel processing and iterative design. (TPL)
- Promoted to team lead for efforts in team coordination and schedule management.
- Implemented a computer vision algorithm by translating published research into code. (OpenCV, C++, Winforms)

Intern

Microsoft 2007

- Prioritized, documented and implemented automated tests of developer code.
- Tested developer implementation for Microsoft web services (WSDL).

Intern

Rice University 2006

- Reorganized program code to optimize cache memory usage in the IBM Cell processor. Reported procedure in a technical paper and conference poster