Michael Carpenzano

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SUMMARY

Enthusiastic Full-Stack Software Engineer with a growth mindset. Experienced in developing scalable SaaS web applications in fintech, from backend to frontend, and working with cloud computing platforms like Microsoft Azure.

SKILLS

Programming: C#, .NET, TypeScript, Angular, Node.js, JavaScript, HTML, CSS, SQL, Python, Java, C++, NoSql, Django, Microsoft SQL Server, MongoDB, Microsoft Azure, Azure DevOps, Git, Docker
Languages: English (Fluent), Japanese (Elementary)

EXPERIENCE

OpEff Technologies | Jericho, NY **Full-Stack Software Engineer**, 2023 - Present | C#, .NET, TypeScript, Angular, Node.JS, HTML, CSS, Microsoft SQL Server, Microsoft Azure, Git (Version Control), Docker

- Utilizing Agile development methodologies, developed specialized accounting software for hedge funds, private equity firms, and real estate investors, ensuring robust and reliable financial operations.
- Optimized system processes by implementing multi-threading, enhancing the scalability of algorithms, and refining database operations, achieving up to a 90% increase in calculation efficiency.
- Identified and defined project requirements, streamlined workflows, and enhanced team productivity, while working with cross-functional and off-shore teams across time zones.
- Designed and implemented client-focused features, improving user experience, and boosting customer satisfaction, resulting in onboarding 5+ new clients including notable banks and venture capital firms.
- Frequently working with Docker containers and CD/CI pipelines, in collaboration with the DevOps team.

EDUCATION

Stony Brook University | Stony Brook, NY Bachelor of Science in Computer Science, 2018 - 2022 | GPA: 3.2
Awards: Dean's List Fall 2020 and Spring 2021, SBU Game Programming Competition Finalist 2021 and 2022

PROJECTS (Full Portfolio available on personal website)

Social Media Website | Fall 2021 | JavaScript, React, NodeJS, MongoDB, GraphQL, Firebase | Platform allowing users to create, share, and take quizzes on various topics.

Sentiment Analysis Tool | Spring 2021 | Python, PyTorch, NumPy | Designed and trained a deep learning model to perform sentiment analysis on 3500 magazine reviews taken from Amazon.com.

ACTIVITIES

Stony Brook University Cybersecurity Club, Stony Brook, NY | January 2021 - May 2022 Member | Participated in seminars on various aspects of computer security including network and cellular security. Discussed essential cybersecurity skills, techniques, and encryption algorithms like RSA and DH key exchange in depth.

Stony Brook Game Developers Club, Stony Brook, NY | August 2021 – May 2022 Member | Participated in game programming competitions, where industry professionals judged contestants' submissions. Made games using industry-leading Unity (C#) and Unreal (C++) engines and popular tools such as Blender.

Stony Brook University Kendo Club, Stony Brook, NY | October 2021 – May 2022 Member | Met twice weekly to train in modern Japanese martial arts, advised newcomers on technique and form, and participated in club elections.