

Scott Mangiapane

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Experience

GoDaddy

Senior Software Development Engineer 2021 - Present

- Continued work on GoDaddy's virtual private server platform.
- Mentored our summer intern by giving technical advice, providing feedback, and assisting with career goals.
- Used knowledge of computer security to discover a SQL injection vulnerability and a XSS vulnerability.

Software Development Engineer 2019 - 2021

- Continued work on GoDaddy's virtual private server platform.
- Created the backend functionality for interfacing with a third party monitoring service. Used tools like caching and multithreading to significantly improve performance.
- Built a reactive SPA dashboard for our product's new monitoring feature, including a novel UI component that I later contributed back to GoDaddy's core UI library.
- Reduced the on-call burden by automating scheduled retries of workflows that were especially prone to failure.
- Extended our integration tests to support Windows VMs, learning technologies like Docker and Winexe in the process.
- Successfully repaired our production database after a bad failover caused permissions issues and missing data.
- Participated in a demanding on-call rotation which required troubleshooting complex distributed systems.

Software Development Intern Summers 2017 - 2018

- Worked with a team of senior engineers to launch GoDaddy's new virtual private server platform.
- Took leadership on new features including a tool to give support agents secure access to customer machines.
- Wrote extensive test cases to ensure product stability.
- Used Java, JavaScript, Node.js, React, and PostgreSQL.

Education

Purdue University

Bachelor of Science in Computer Science 2015 - 2019

Completed the software engineering track with a focus on systems programming and computer security.

Skills

Languages

- Java
- JavaScript
- SQL
- Node.js

Tools / Frameworks

- React
- GNU / Linux
- Vue.js
- Git
- Express.js
- CI/CD / Jenkins
- Docker
- Android SDK

Miscellaneous

- Scrum
- HTML / CSS

Side Projects

Server Monitoring

A web app that reports real time server performance data. Features session tokens, two factor authentication, and a RESTful API. Written with Vue.js, Node.js, Express.js, and PostgreSQL.

Fiscus

A portfolio tracking app with real-time data and visualization features. It was featured in a Purdue Department of Computer Science news article as one of the best senior projects of 2018. Written in an Agile environment.

TI Games

A collection of games for the TI-84 graphing calculator, written in a low-level language similar to C. Notable features include the usage of grayscale on black/white hardware and multiplayer functionality over a USB cable.