

# Caden Scharpf | Software Developer

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## Technologies

- Enterprise Java/JBoss EAP
- JavaScript/CSS 3/HTML 5
- TypeScript
- React/(Native)
- Material UI
- Node JS
- Python
- Linux/Bash
- PHP
- Docker
- Flask, Spring
- Apache, Nginx
- Amazon Web Services
- SQL

## Experience

### Software Engineering Intern – Iridium Satellite

May 2021 - Aug. 2021

- Developed unit tests and performed bug fixes for the Iridium Web Services Enterprise Java API.
- Contributed to the successful conversion of the SOAP-based API to RESTful architecture.

### Full Stack Developer – Iridium Satellite

Aug. 2021 - Present

#### Iridium Web Services

- Developed Enterprise Java APIs for customers and internal users to automate business processes and provision devices on the Network.
- Conducted code reviews and collaborated with team members to ensure that the application was scalable, maintainable, and met internal requirements.

#### Iridium SPNet Pro

- Designed and developed a web interface to allow customers and service providers to manage accounts and devices on the network.
- Worked with stakeholders to identify and prioritize feature requests for the deployment of the Iridium Certus Network.

## Education

### Arizona State University – Computer Science, Tempe Az

Aug 2019 - May 2023

- Graduated with a Bachelor of Science in Computer Science.
- Elected secretary of the Sun Devils Engineering Club
- Active member of the Sun Devils Linux Users Group.

## Works

### Portfolio – Web based development portfolio created with React Typescript

- **Repository:** <https://github.com/CadenScharpf/portfolio>
- **Live Site:** <https://cadenscharpf.tech>

### Manim CS – A Python animation library for explanatory Computer Science videos

- **Repository:** <https://github.com/CadenScharpf/manim-cs>
- **Release:** <https://pypi.org/project/manimcs/>

### Manim CS Web Demo – An interactive web demonstration for the Manim CS animation library. Created with React Typescript.

- **Repository:** <https://github.com/CadenScharpf/manim-cs-web>
- **Live Site:** <https://manimcs-demo.cadenscharpf.tech/>