

ROBERT FREEMAN

Software Engineer — Project Lead — Network Administrator

WORK EXPERIENCE

Software Developer, General Atomics - Aeronautical Systems

January 2022- Present

- Orchestrated the successful execution of two complex software projects utilizing C# and C++, leading to significant improvements in system performance.
- Implemented effective strategies for obtaining insightful feedback on software decisions, fostering a culture of open collaboration within the team.
- Streamlined the software life-cycle with agile methodologies, leading to enhanced product development and stakeholder communication.
- Championed a results-oriented approach, consistently delivering tested code within strict deadlines.
- Enhanced system functionality by writing new features and troubleshooting existing bugs.
- Delivered engaging PowerPoint presentations to stakeholders, test team members, and management, explaining complex technical concepts with clarity.
- Administered complex computer networks, ensuring optimal performance and security.
- Skilled in troubleshooting network connectivity issues and utilizing protocol buffers for Redis message brokering.

Software Engineer Intern, Accel Robotics

June 2021 - September 2021

- Enhanced network service commands by adding to the Pub/Sub framework using gRPC.
- Improved the reliability of the software pipeline by expanding the automation capabilities using Jenkins and Pytest.

EDUCATION

Bachelor of Science, Computer Science, San Francisco State University

August 2019 - May 2021

Associate of Arts, Applied Mathematics, San Diego Mesa College

August 2018 - May 2019

TECHNICAL STRENGTHS

- Languages: C#, C++, Python
- Technologies: REST, Bash, Object-Oriented Programming, Functional Programming
- Network Troubleshooting: Wireshark, Colasoft
- Tools: GitHub, TFS, MSVS, MySQL Workbench, gRPC, Redis, VirtualBox, Docker, AWS, UNIX, Vim, net-tools, tmux, Ansible, Jira, Jenkins CI/CD

PORTFOLIO

E-commerce Site — Python, FastAPI, HTML, CSS, JavaScript

- <https://github.com/RobertAldenFreeman/exceptional-site> *Link to Project* - Developed an online platform for selling video games, crafted as a part of web development coursework at SFSU.

Food Delivery Application — Python, Flask

- <https://github.com/RobertAldenFreeman/food-delivery-application> *Link to Project* - Collaborated on a food delivery application, delivered as a team project during academic tenure at SFSU.

E-commerce Site — JavaScript, React, Redux, Node.js, Websockets, Redis, Microservices

- <https://github.com/RobertAldenFreeman/e-commerce-site> *Link to Project* - Constructed an online marketplace, similar to Craigslist, that implements modern technologies like websockets, Redis, and microservices.