Blain Weeks

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○ GitHub | in LinkedIn | ⚲ Website

Experience

Apple   *November 2023 - Present*

Tools & Automation Engineer   *Apple Pay*

- Just started :)

Capital One   *February 2022 - October 2023*

Senior Associate Software Engineer   *Card Tech*

- Completed AWS Cloud Practitioner Certification.
- Re-implemented virtual card number service to enable multi-threading.
- Designed and implemented software to rotate PGP keys across a distributed system.
- Served as production support engineer, resolving time-sensitive issues at all hours.
- Contributed to the development of a new direct settlement application, utilizing AWS services such as Lambda, ECS and S3.
- Helped manage a team of interns in the development of a tool to test application performance under load.

Apple   *July 2018 - February 2022*

Software Engineer   *Messages*

- Contributed to Messages features, including Name and Photo Sharing, Spoken Messages and Child Safety.
- Resolved issues at all levels of the Messages software stack, from data persistence to UI.
- Implemented tools to automate running and reporting of unit tests at desk for team.
- Developed automated testing suites to exercise the performance and functionality of various Messages features.
- Wrote bug triage automation.
- Implemented AppleScript hooks for Catalyst implementation of Messages app.
- Worked cross-functionally with teams across Apple in design, security, performance, software and others.

AgilePQ   *September 2016 - June 2018*

Software Engineer

- Integrated core security technology into Android and iOS platforms, as well as OpenVPN.
- Developed cellular networking code for IoT devices.
- Developed documentation using LaTeX for internal and customer use.
- Met with customers to explain and demo mobile prototypes.
- Developed automated suite to test network code.

AgilePQ   *June 2016 - Semptember 2016*

Software Engineering Intern

- Developed communication protocols to establish secure communication between IoT devices and backend service.
- Developed and tested network code for IoT devices.
- Reviewed and provided feedback for technical portions of patent applications.

Education

California Polytechnic State University, San Luis Obispo
B.S. in Software Engineering and Minor in Statistics (2018)

Expertise

- **Languages** - Swift, Python, Rust, C, Objective-C
- **Technologies** - AWS, macOS, iOS
- **Domains** - Application Development, Automated Testing