

# Ryan Wirth

## Software Development Engineer

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### EXPERIENCE

**Palantir Technologies** - Forward-Deployed Engineer *Sep. 2020 - Present*

- Led teams of 5+ engineers while building real-time operational tools for an airline customer's Network Directors, Operations Managers, and Air Traffic Control Coordinators
- Delivered architecture reviews, user training, and product demonstrations to technical and non-technical audiences
- Conducted scoping, feedback, and user acceptance testing sessions with end users
- Wrote Apache Flink- and Spark-based data pipelines, React components, and backend TypeScript functions for operational and analytical use cases
- Deployed ML models against production Apache Spark pipelines for technical operation teams and data scientists
- Served on-call rotations to support 24/7, mission-critical airline applications
- Interviewed 50+ candidates for new-graduate and industry engineering roles

**Mobify** - Front-End Engineer Intern *May 2019 - Aug. 2019*

- Built hybrid (React-based) mobile applications for several e-commerce clients
- Collaborated with internal and external IT teams to maintain single page web applications deployed on a proprietary application delivery network
- Analyzed AWS Lambda logs to debug server-side React rendering performance
- Scoped new features and bug fixes for existing clients to create price estimates
- Presented team retrospectives at company-wide engineering reviews

**SMART Technologies** - Software Developer Intern *Sep. 2017 - Aug. 2018*

- Implemented various user-facing features for Vue.js web applications built on top of Firebase
- Upgraded hybrid Android and iOS applications to use a more performant native bridge
- Fixed significant memory leaks using Safari's Web Inspector and reduced generational memory growth by ~80%
- Wrote automated acceptance tests using Robot Framework and Selenium

### EDUCATION

**University of British Columbia** - B.Sc. Computer Science *Sep. 2015 - Apr. 2020*

- Dean of Science Scholarship (2019); Trek Excellence Scholarship (2019, 2018, 2016); J. Fred Muir Memorial Scholarship (2016); Charles and Jane Banks Scholarship (2016); Chancellor's Scholar Award (2015)

### TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, Swift, C#, Bash

**Technologies:** Apache Spark, Apache Flink, Node.js, React, Vue.js, Svelte, Firebase, Docker