

# Andrew Lewis | Senior Software Development Engineer

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## Education

**BACHELOR OF SCIENCE | WASHINGTON STATE UNIVERSITY | 12/2017**

- Major: Computer Science

## Skills & Abilities

### PROGRAMMING LANGUAGES

C#, Java, TypeScript/JavaScript, node.js, PHP, C/C++, Python, HTML/CSS

### DEVELOPMENT TOOLS AND FRAMEWORKS

- React, Bootstrap, GraphQL, .NET Core, .NET Framework, SQL (various), Azure DevOps, Kubernetes, Docker, Mercurial, GIT, IntelliJ, Visual Studio, Terminal

### RELEVANT BUSINESS EXPERIENCE

- Scrum, Agile (Daily Standup Meetings, Sprint Planning, Estimating, 1 on 1's), hiring process (End to End)

## Experience

**SENIOR SOFTWARE DEVELOPMENT ENGINEER P3 | ALASKA AIRLINES | 05/2021 - PRESENT**

**SOFTWARE DEVELOPMENT ENGINEER P2 | ALASKA AIRLINES | 04/2019 – 05/2021**

- Worked in a small team within a large diverse organization. Rebuilt various features that were part of a monolith into various maintainable microservices. Collaborated with non-technical stakeholders to inform them of project progress, answer questions, and build relationships.
- Designed a responsive and accessible CCPA/GDPR compliant preference system (front end and back end) in house that saves the company over \$100,000 annually.
- Rapidly adapted to new company goals due to COVID-19. Stabilized legacy wallet system during a time of unprecedented usage. Generated over \$30 million in revenue by creating a method to generate gift cards to sell at Costco. Contributed to a touchless payment platform for inflight purchases using a stored credit card, beating larger competitors to market.
- Led the charge on replacing an aging authentication system. Convinced teammates, stakeholders, and company executives that authentication should be modernized through examples and customer feedback. This resulted in Alaska building a team around replacing authentication.
- Additional Responsibilities: Screen resumes, communicate with recruiters to hire contractors, conduct interviews, intermittent scrum master, present at lunch and learns.

**SOFTWARE ENGINEER 1 | APPTIO | 08/2017 - 03/2019**

- Worked as part of a diverse team on a rapidly evolving product. Adapted quickly to changing requirements and customer needs. Contributed to and owned features core to our application including building a new table (in an Excel-like application), added an efficient bulk action feature to the server and client, converted large parts of the front end from JavaScript to TypeScript, and many more. Participated in Agile processes including daily standup meetings, sprint planning, and story estimating.

**SOFTWARE ENGINEER INTERN | APPTIO | 05/2017 - 07/2017**

- Created and maintained features for a modern SAAS application using many different frameworks and utilities including Knockout, Durandal, Spring, Jasmine, Selenium, and Mocha. Created a new feature that added an entire section to our application that helps our customers track their internal services from IT.

**SOFTWARE ENGINEER INTERN IN TEST | APPTIO | 05/2016 - 08/2016**

- Created and maintained 27 automated test suites for a rapidly evolving product. Built a system that automatically stores and shares TeamCity results and allows viewing of test result trends graphically. Worked with IntelliJ, Selenium, TeamCity, MySQL, and Mercurial. Used multiple coding languages including Java, PHP, and JavaScript.

## Relevant Project (Additional Projects Available Upon Request)

**PULLMAN WATER | [HTTP://WWW.PULLMANWATER.COM](http://www.pullmanwater.com) | 03/2016 - 01/2018**

- Pullman Water is a website and Android app created to help save Washington State University Students money on liquor. It consists of multiple components, a parser to parse Idaho prices, a SQL database to hold the data, a php backend to retrieve the data, a JavaScript/bootstrap front-end to calculate and compare costs. The idea was born in WSU Hackathon 2017 where it received special honors for solving a community problem.

## References Available Upon Request