

Seattle, WA
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CAREER SUMMARY

Ex-Boeing engineer turned Software engineer with skills in both Web and Android development. Adept at working both independently and in teams. Brings technical background, staunch work ethic, and aptitude for solving complex problems. A self-starter and eager learner who is always looking for the next big challenge.

PROGRAMMING SKILLS

Android Development, Bootstrap, CSS3, Express.js, Git, GraphQL, Heroku, HTML5, Java, JavaScript, jQuery, JSON, Node.js, ReactJS, Redux, REST APIs, SQL

PERSONAL PROJECTS

Outwork Fitness: <https://outwork-cjy.herokuapp.com>

- Developed and actively maintain a **full-stack, mobile responsive** fitness website for logging workouts, tracking metrics, and competing against other users.
- Designed front-end using React; constructed back-end using Express, Node, and MySQL.
- Implemented **promised-based communication** between client and server using Axios.
- Utilized **Strava API** and **Google Maps API** for getting run and bike data and displaying routes on a map.

Congo Book Sales: <https://congobooksales.herokuapp.com>

- Developed a **full-stack, mobile responsive** website for selling my book collection. **Sold 250+ books.**
- Utilized **PayPal API** for getting customer shipping information and **processing credit card payments.**
- Created functionality for new **user registration, password encryption, password recovery, a custom shopping cart, and order history.**

PROFESSIONAL EXPERIENCE

Software Engineer (Apprentice) – Microsoft

3/2020 - present

- Served on engineering team to design, develop, and test the Outlook Mobile for Android application.
- Implemented a new feature to allow users to search for a folder when moving emails to a different folder in their account. Refactored existing code to match MVVM design pattern; wrote new code and tests in both Java and Kotlin.
- Participated in Fix-Hack-Learn week and created a working chess board for Android.

Structural Design Engineer – The Boeing Company

6/2012 – 2/2020

- Redesign advanced component for B-777 landing gear door locking mechanism, thereby resolving an urgent issue for airlines. Design incorporated onto 500+ airplanes in production and fleet.
- Resolved a recurring safety concern in production by collaborating with mechanics to improve installation of electrical support brackets. Reduced installation time by up to 25% (2 hours).
- Served as primary design engineer for Fuselage Penetrations project on Air Force One program. Worked alongside team to meet demanding drawing release schedule and avoid program delays.

EDUCATION

Certificate in Full-Stack Web Development – University of Washington

9/2018 - 4/2019

Bachelor of Science in Civil Engineering – Oregon State University

9/2008 - 6/2013

AFFILIATIONS

Volunteer – Seattle Cancer Care Alliance

9/2019 – 2/2020

- Performed acoustic guitar music at events for cancer patients at SCCA.

Club President – Toastmasters International

3/2014 - 6/2016

- Led club to achieve President's Distinguished Club award, the highest possible club rating.
- Earned Advanced Communicator Silver, Competent Leadership awards, 1/2015.