

Jawon Winbush

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Portfolio: www.jwinbush.com

U.S Citizen

GitHub: <https://github.com/jwinbush>

EDUCATION

IUPUI

May 2023(anticipated graduation date)

B.S Informatics

Dean's List

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, PHP, C#, Python

Frameworks and Databases: React, React Native, NodeJS, MySQL, PostgreSQL

Tools: Git, Postman, Firebase, AWS (Elastic Beanstalk, Athena, Glue, S3, SQS, Lambda, DynamoDB, CloudWatch), NewRelic, Splunk, Google Cloud GCP (Cloud Run, Cloud Functions), Looker, Google Analytics, GraphQL

PROJECTS

Software Engineer, Tomocredit, San Francisco, CA

August 2022 – Present

- Backend-oriented full-stack software engineer focusing on operations and automation. Primarily worked with JavaScript, NodeJS, GraphQL, and React. Postgres DB and AWS (Elastic Beanstalk, EC2, Lambdas) for cloud services.
- Designed and implemented automation and move of internal tooling to EC2, leading to a 20% increase in available engineer time.
- Built email and push notification platform to send instant updates to customer regarding data sent by payment processor.
- Identified and resolved several high priority security vulnerabilities affecting customer data.

Software Engineer, Realtor.com, Santa Clara, CA

February 2020 – June 2020

- Developed Market Reach as Backend Engineer as part of the Platforms and Monetization team
- Built email and analytics platform in NodeJS to compile and calculate statistics and metrics, and send weekly email performance reports to agents and brokers.
- Improved performance by improving time efficiency of processes through reducing API calls and adjusting SQL queries.

Software Engineer Intern, Redtail Technology, Sacramento, CA

May 2019 – January 2020

- Developed room booking app with TypeScript and React for internal use by Redtail Technology employees.
- Implemented calendar functionality using FullCalendar library and React component composition.
- Implemented CRUD actions for room bookings using AJAX calls to Redtail API.
- Improved perceived loading performance by prioritizing AJAX requests by room popularity.
- Ensured persistence of room preferences through use of local storage.
- Implemented RxJS library in product to for a 100% improvement in time performance and to prevent race conditions.
- Wrote end-to-end tests to prevent regressions using Cypress testing framework.

PROJECTS

Controls and Power Team Lead, Hornet Hyperloop, CSUS

2017 – 2019

- Built scaled-down prototype focused on automation of travel for purposes of Hyperloop Pod Competition hosted by SpaceX. Managed a team of 30+ engineers and programmers in the Hornet Hyperloop club.
- Oversaw and assisted with implementation of pod controls and data acquisition using peer to peer network (CAN BUS) which resulted in increases in product efficiency and performance.
- Invited to SpaceX to present in Hyperloop Competition III & IV in 2018 & 2019 and aiming at breaking 350+ mph for Hyperloop Competition V in 2020.

Python Bulk SMS Messaging Application

2019

- Fulfilled business need of family restaurant to send low-cost bulk SMS messages.
- Wrote full stack Python application to allow businesses to message customers 90% cheaper than market options.
- Interfaced with GSM modem using AT commands.