Randy Oram

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Experience

November 2020 – Present   Minneapolis, MN

Software Engineering Consultant

Prism Development LLC

- Designed and built a customer journey dashboard for an artificial intelligence start-up, presenting critical data to their clients in a manner that is easy to consume.
- Designed and created websites using various technologies, such as React, Angular, and WordPress.
- Developed a complete replacement for SolidCommerce. Leveraged AWS Lambda with Node.JS to create a data pipeline, inventory updater, and order fulfillment service for a web store with 100,000+ products.

July 2019 – November 2020   Houston, TX

Software Engineer

ExxonMobil: Well Construction & Operations

- Assisted in porting WellView 10 to the cloud by developing components of an Azure framework including application gateways, DNS zones, database APIs, and full-stack web applications.
- Upgraded the Microsoft Office solution to remove the need for end-users to log in with a separate account when opening Excel based add-ins. Reduced Office licensing costs by $120,000 annually.
- Collaborated with an international team to provide global support for ExxonMobil's Wells database software, enabling rig supervisors to import and edit critical data on demand.

August 2018 – May 2019   Gainesville, FL

Teaching Assistant

UF Computer Science and Engineering

- Aided a professor in conducting the UF CSE Computer Organization / Architecture course by grading assignments, proctoring exams, and holding regular office hours for students.
- Taught a sub-section of 80 students weekly, curating and delivering lessons related to the material, administering quizzes, and answering questions.

May 2018 – August 2018   Houston, TX

Cloud Enablement Intern

ExxonMobil: Modern Platforms

- Developed an API which automated the retrieval of audit logs from the SAP Cloud platform.
- Produced a C# application to call this API in an automated and regular fashion.
- Utilized Splunk to provide automatic analysis of these logs.
- Reduced total process time from 3 weeks to 1 hour, freeing up team members to focus on other mission-critical tasks.

Projects

February 2020 – Present

spacetrace.app

- Developed a dynamic web application which tracks the location of the International Space Station and plots it on a map in real-time.
- Allowed users to create accounts with contact information so that they can be notified when the ISS is visible in their location.
- Utilized React.js to build the front-end, alongside Firebase for database and API functionality.

May 2018 – July 2019

randyoram.com

- Constructed a static website using GitHub Pages to act as a platform for personal marketing and to share personal programming projects.
- Completed several JavaScript animation projects, including tic-tac-toe with confetti, a new-years fireworks display, and a web-based remake of *Pong*.

January 2019 – May 2019

Goods

- Participated in a small team to create an e-commerce web application that emphasizes each business's personality rather than strictly focusing on their products.
- Created high-fidelity prototypes using Figma through an exhaustive user experience design process.
- Programmed the front-end of Goods using Vue.js to match the prototypes created during the design process.

October 2018

HackGT: Roots

- Roots is a sustainability related social media web application that enables users to see trees they have planted on a map, track statistics related to this endeavor, and compete with friends to reduce their carbon footprint.
- Led a team of four to create the web-application using the MERN (MongoDB, Express, React.js, and Node.js) stack.
- Developed the front-end, modern authentication element, and the database API.

Education

May 2019   Gainesville, FL

Bachelor of Science, B.Sc.

Computer Science & Engineering

University of Florida

Overall GPA: 3.73