Alan Grosse

Full Stack Engineer

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💼 Professional Experience

Rippleworx
Software Engineer - Remote
Nov 2020 – present

- Designed and implemented diverse features for both web and mobile platforms, including pages, forms, pickers, tables, drag-and-drop dashboards, localization, UI themes, notification/reminder system, scheduling functionality, user management, and bulk operations.
- Collaborated closely with the customer support team to address numerous bugs.
- Applied Jest unit tests to validate and support the integration of new features, ensuring robust and reliable functionality.
- Engineered new endpoints, data structures, and jobs for seamless data migrations.
- Developed Strapi modules for universal template implementation throughout the system, ensuring seamless integration.
- Utilized Jira for comprehensive task tracking, Confluence for specs and workflow layout, and employed Balsamiq for the creation of detailed feature mockups.

Atlanta Regional Commission
Software Developer (Contract) - Remote
Jul 2020 – Nov 2020

- Covid-19 tracker - refactored to make it scaleable to handle growing cases of the pandemic for a public-facing web page
- DataNexus - debugged and added additional features to this map-based application for viewing government census data in a consumable way.
- Eviction Tracker- developed web scrapers to collect court case data. Created logic that sorted data based on key factors to filter candidates. Engineered a robust back-end infrastructure to efficiently manage and process the scraped data, ensuring seamless integration into the overall system.

Georgia Aquarium
Assistant Manager, Life Support Systems, Design and Engineering
Oct 2009 – Nov 2020

- Maintained the MsSQL database and scripting logic for the automation of the components included in the life support systems, troubleshot sensors/automation/scripting, and reloaded and edited logic for component PLCs.
- Created construction documents and provided construction administration for new systems.
- Created a training program for existing and onboarding new technicians.
- Spearheaded the recruitment and oversight of the intern program.
- Managed a dynamic team of 17 technicians, fostering a collaborative and high-performing work environment.

🧩 Skills

React | React Native |
Typescript | Jest |
NLP Models (AI) | Strapi |
MongoDB | Git/Github |
Mobx | Parse Server |
Expo Go | Ajax | Axios |
JavaScript | C# |
Python | Material UI |
Express | jQuery |
Balsamiq | SQL |
Node.js | Sass |
Confluence |
AutoCAD/Revit | Jira |
Adobe Creative Suite |
Azure | Remix | Tailwind

🎓 Education

Georgia Institute of Technology
Full Stack Web Development Certificate

University of Georgia
Bachelors Degree

📁 Other Projects

Alabama Cave Survey
PHP, JavaScript, MySQL, AWS, Wordpress

- Contributed to codebase maintenance initiatives, ensuring the stability and scalability of the software infrastructure.
- Implemented features and content tailored for ACS members, enhancing their user experience.