Davin Davila

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EDUCATION

University of Texas - Rio Grande Valley   Edinburg, TX
Bachelor of Science in Computer Science   *Dec. 2023*

EXPERIENCE

Automotive Engineer   Feb. 2024 – Aug. 2024
Revature   *Remote*
- Designed and tested ECUs for automotive systems, ensuring compliance with AUTOSAR guidelines and ISO 26262 safety standards.
- Optimized CAN bus communication efficiency by 30% through traffic analysis and diagnostic enhancements using Vector CANoe.
- Automated vehicle simulation workflows with Python scripting, reducing testing time by 25% while improving diagnostic accuracy.

Software Engineer Intern   April 2023 – June 2023
IRL - Do More Together   *Remote*
- Built RESTful APIs with Node.js/Express.js, reducing content load times by 40% for real-time data delivery.
- Boosted server performance by integrating Redis caching, cutting API response times by 35% during peak traffic.
- Collaborated with UX teams to redesign an event management interface, increasing user-organized events by 20%.

Google Developer Technical Specialist   Aug 2023 – Dec. 2023
Google Developer Student Club   *Edinburg, TX*
- Trained 50+ students in Google Cloud Platform (GCP), Firebase, and TensorFlow via hands-on workshops, improving technical proficiency by 60%.
- Created tutorials on Google's AI/ML tools, including a TensorFlow-based image classification demo adopted by 15+ student projects.

PROJECTS

Vapor Shop | *Angular, .NET Core, TypeScript, C#, PostgreSQL, Redis, Docker, Stripe, DigitalOcean*
- Led full-stack development of an e-commerce platform with real-time updates and Stripe payment integration.
- Implemented real-time basket updates and user interface features such as orders and checkout systems.
- Achieved 99.9% uptime by containerizing PostgreSQL and Redis with Docker and deploying through a Linux/Apache2 server hosted on DigitalOcean.

Vaquero Scheduler | *TypeScript, Next.js, React.js, Tailwind, PostgreSQL, Prisma, Vercel*
- Engineered a college scheduling app used by students, reducing schedule creation time by 50% with a dynamic filtering algorithm.
- Integrated Next.js and React to build a responsive and interactive user interface, enhancing user engagement.
- Built a responsive UI with Tailwind CSS and deployed on Vercel, achieving a 95% user satisfaction rate.
- Developed a filtering algorithm using relational database interactions using PostgreSQL and Prisma.

helloWorld | *Vite, Vue, TypeScript, Django, Python, SQLite*
- Featured unique profiles, real-time chat, user/post interactions, friend system, user/post searching by keyword.
- Designed and implemented real-time notification systems that streamlined user interactions and improved response time by 40%; enabled faster issue resolution, resulting in a 25% boost in overall customer satisfaction ratings.
- Designed a friend suggestion algorithm using mutual connections, increasing user engagement by 25%.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Python, C#, Java, C, C++, Rust, Ruby
Front-end: Next.js, React, Angular, Vite, Vue, HTML/CSS, Bootstrap, Tailwind, SCSS
Back-end: Node.js, Express.js, Django, .NET Core, Ruby On Rails, SQLite, PostgreSQL
Developer Tools: Git, Docker, Linux, Jira, Netlify, Render, Firebase, MongoDB, Prisma, Vercel, DigitalOcean