[Zii Donato]

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SKILLS

- Frontend - Javascript/Typescript, React, Redux, NextJS, Jest, Angular
- Backend - Django, Flask, NodeJS, SQL, Go
- Integration - AWS, Heroku, Nginx, Caddy, Docker + Compose
- Systems - C, C++, Rust, Linux/BASH Scripting, AVR, ESP32, STM32
- Other Skills - Test-Driven Development, Version Control(Git, TortoiseSVN)

EXPERIENCE

- **Software Engineer Intern | Capital One | June 2023 - Aug 2023**
  - Utilized Angular and Bootstrap to integrate digital wallets with Google Pay, Paypal, and Paze. Made reusable components that can easily incorporate another service. Standardized styling and UX for services so customers can easily switch between them. Wrote various tests and error handling to ensure functionality in cases of incomplete/corrupted data, or unexpected interaction.
  - Accepted return offer for June 2024 - Aug 2024
- **Software Engineer | CompuWeigh Corporation | Oct 2022 - Mar 2023**
  - Hired as a contract developer to update applications to newer standards.
  - Lime Report Generator - Wrote a C++ application to convert DBF files into SQLite, then used a report generator library to generate various reports. Implemented the DBF accessibility from scratch. Configured CMake to allow use of QT on both Windows and Linux.
  - SmartTruck 3 - Migrated a project from Javascript, Webpack and NPM to Typescript, Vite, and Yarn. Refactored and optimized repository - removed or replaced outdated/unused libraries with modern alternatives to shorten TTI by 90% from 2500ms to 250ms, reduce size of codebase by over 50mb. Implemented Tests using Jest, Testing Library, and Mock Service Worker to increase confidence in code.
  - SmartTruck Sensors - Wrote an embedded application to migrate sensors from Modbus/One-Wire technology to I2C sensors. Integrated application with SmartTruck system, facilitating essential automation systems.
  - CD5000 - Refined this project to utilize more recent features. Wrote hooks to handle MQTT subscriptions. Utilized React-Spring to visualize a grain scale, opening and closing gates to let the grain fall through.

PROJECTS

- **tracing-systemd | Documentation | Code | Rust**
  - Built a tracing-subscriber layer designed to log messages to the systemd journal. Configurable for use within and without a service. Configurable color output. Completely customizable log format which includes all relevant information. Easily integrated into the existing platform, allowing for filtering and logging of thread ID.
- **ESP32 Paper Trader | Code | C/C++**
  - Built a scalable application that collects data from AlphaVantage and applies a model utilizing TA-lib algorithms to execute paper trades on alpaca.markets. Plug and play - minimal configuration and no external devices required. Separated concerns into namespaces to make code structure/navigation simple and effective.
- **Budgeting App | Code | NextJS, Django, Heroku**
  - Built a full-stack budgeting app that keeps track of purchases made by users. Took advantage of SSR to minimize load times. Simplified DOM to make implementation of CSS easier. Added animations for a smoother user experience. Wrote a BASH script to simplify codebase management. Used JWT and session tokens to handle authentication.