Travis Kern

Software Engineer | Leader | Innovator

https://tkern.net

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EXPERIENCE

Saucon Technologies — *Full-Stack Developer*

2012 - PRESENT

Design and implement products for customers that are directly responsible for managing their fleets and daily operations. Work with project managers and utilize best programming practices to write software that is performant, flexible, and ultimately satisfies all business requirements. Adaptable to unexpected and frequent changes to specifications.

Provides mentorship for new hires, interviews potential candidates, and overall have taken a position of guidance among the development team. Opinions are often consulted on a wide field of topics, ranging from software architecture to database administration.

- Developed the company's vehicle scheduling system. This system enables customers to manage stops, plan routes, dispatch vehicles, and improve operational efficiency. Integrated with Google Maps to provide customers with intuitive interfaces for building geo fences, constructing route paths, and monitoring real-time vehicle locations in relation to the scheduling system.
- Develops modules within the company web portal. Created numerous administrative applications, including user and client management screens, developed numerous web-based reports to provide data to customers, and integrated d3.js with the portal's framework in order to provide interactive charts to customers.
- Work on back-end processes that manage customer data. Frequently write jobs to automate repetitive tasks.
- Provide technical and conceptual guidance for system infrastructure and database performance.
- Developed a real-time engine dashboard that rendered a bus dashboard in the web portal and was streamed live engine data, such as speed, rpm, odometer and battery status, over WebSocket.
- Maintain, configure, support and enhance a number of iOS apps. These apps interface with the company's vehicle scheduling and forecasting systems to provide bus riders with real-time arrival and departure information, as well as customer-defined alerts that are delivered through push notifications.

Languages

Java, SQL, Python, JavaScript, HTML, XML, JSON, CSS, JSX, Bash, Objective-C

Frameworks

Spring, GWT, SmartGWT, d3.js, psycopg2, Node.js, Express.js, jQuery, React, Google Maps, Freemarker, Backbone, Bootstrap, iText, SmartXLS, JUnit

Tools

Maven, Git, PostreSQL, Eclipse, IntelliJ, Jenkins, Salt, Make, Gulp, NPM, VIM, SQLite, Tomcat, Nginx, XCode, Virt-Manager

OS

Linux, MacOS, Windows

Education

Misercordia University
B.A. Computer Science
Summa Cum Laude
2008 - 2012