JOEL (J.T.) JAMES

Highly innovative senior full-stack software engineer with 7+ years of experience solving complex technical challenges.

SKILLS

Frontend
Typescript | Javascript | AngularJS | Angular 2+ | Ionic | SASS | CSS | HTML

Backend
Java | Python | Node | OSGI | Perl | Spring Boot | PostgreSQL | MySQL | Microsoft SQL | Oracle SQL

Devops
Kibana | Elasticsearch | Ansible | Bamboo | Drone

Tools
Git | Docker | Portainer | Visual Studio Code | Intellij | Eclipse | Bash

WORK EXPERIENCE

SYNTECH SYSTEMS

Embedded Software Engineer | January 2017 - Current

Working remotely as an full-stack software engineer implementing critical software components across the stack

- Architected and led a team of 4 developers through a migration from AngularJS to Angular 8 to make page load times 2-3 times faster, modernize our technical stack, and allow developers to use more modern tools (Typescript, Angular CLI, etc) to maintain the application
- Led architecture and implementation of payment gateway (Java, Spring Boot, Typescript, Angular, PostgreSQL) for processing credit card transactions from our edge devices to various payment partners, following PCI and EMV specifications
- Partnered with senior architect to lead a team of 2 developers to port a a 20+-year-old piece of software responsible for managing edge devices from C to Java so that we could improve maintainability and allow additional developers to contribute to the codebase as the majority of our engineers are proficient in Java
- Worked alongside testing architects to stand up an ELK stack for log aggregation and data analytics which is currently being utilized in our testing environment
- Authored many testing tools, mostly written in python. Examples include simulating vehicle behavior, simulating credit card transactions, etc
- Led ad hoc department-wide trainings on ELK stack, Python, Angular, and other job-specific duties
- Led ad hoc training sessions on internal tools to enable customer service department to better meet customer needs
- Designed an internal Angular library for abstracting advanced form creation out of HTML and into Typescript allowing our team to more quickly develop and create forms in a type-safe environment
- Mentored junior developers through code reviews and architecture reviews as a member of the architecture team

ATHENAHEALTH

Developer | May 2015 - December 2016

Worked as software developer with a focus on reporting, KPI metric aggregation, and data management

- Utilized Perl and Oracle SQL to consolidate client data in a quickly accessible form while following all HIPAA regulations
- Worked alongside business partners to facilitate loading and fetching of denormalized client data for analytics purposes
- Utilized AngularJS and Perl to create analytics interface for presenting KPIs to clients in real time
- Tuned performance of Oracle SQL queries
- Created Angular JS frontend components and unit tests to improve modularity and code quality
- Developed internal tools to streamline Agile experience such as spring planning documents, backlog management tools, Slack integrations, etc
- Led Agile Meetings including sprint reviews, retrospectives, sprint planning, daily stand-ups, and backlog grooming
- Led ad hoc training sessions on Kibana, Oracle SQL performance best practices, and other job-specific duties

PROJECTS

MEAL MEMO

https://github.com/joeltjames/meal-memo
A work-in-progress Typescript/Angular/Node/Express application intended to allow for easy recipe storage, recipe search, and meal planning.

FANTASY FOOTBALL CHALLENGES

https://joeltjames.github.io/fantasy-football-challenges/

A Typescript/Angular application which imports data from an ESPN fantasy football league and determines the winner of the selected challenge.

VISUALIZING ARRAYS IN ECLIPSE

https://sites.google.com/site/eclipsearrayexplorer/home

Worked alongside Dr. Bilal Alsallakh (Vienna University of Technology) to create a plugin for the Eclipse IDE to allow for easy visualization and inspection of Arrays and other collection types. This project was completed as part of the Google Summer of Code Program in 2013. I was one of 143 students in the United States selected for this program.

EDUCATION

MERCER UNIVERSITY

Bachelor of Science - Computational Science | August 2011 - May 2015

CONTACT INFORMATION

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