

Zachary A. Merel

Java Development □ Web Technologies

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I love using technology to accelerate problem solving. Past experience working in public and private accounting; working on multiple engagements simultaneously is a daily occurrence that requires immense amounts of organization, attention to detail, and effective communication skills. Seeking a developer role with the opportunity to develop and improve meaningful applications and learn and grow as a developer.

Technologies And Workflow

HTML5	JQuery	Spring	Jenkins
CSS3	Javascript	MySQL	OAuth
Java	Mockito	Agile	Restful APIs

Formal Education

Northwestern University – Chicago, IL *Sep 2019 to Dec 2019*
Certificate, Java Development

Northwestern University – Evanston, IL *Aug 2018 to Apr 2019*
Certificate, Web Development

DePaul University – Chicago IL *Sep 2013 to Nov 2016*
Bachelor of Science in Business, Major in Accounting, GPA 3.61/4.0

Experience

In the past have created small front end applications as well as back end using Java. Have experience with small to medium size applications both in monolithic and micro service based architecture. Creating Restful API using JPA AND JDBC. Implementing queuing into applications via RabbitMQ and security via Spring security and OAuth. Deployment experience with PCF as well as CI/CD via Jenkins. Familiar with Agile methodologies and practiced in test driven development.

Professional Experience

Everest Transportation Systems, Evanston, IL *Aug 2018 to September 2019*
Accountant

- 300% improvement in invoice efficiency through automation and leveraging Node.JS
- Cashflow visibility improved enabling customer queries to be answered even more accurately

Crowe Horwath LLP, Chicago, IL *Jan 2017 to Aug 2018*
Tax Staff Accountant

- Procure and analyze client information to calculate tax position
- Reconcile client information and data integrity
- Service customer inquiries

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Projects

Invoice Automation Program

This program is written in Javascript and helps to read and merge files into a single file based on file names by leveraging Node.js and npm packages along with custom scripts. Also a feature to convert files to PNG to then be parsed so information from invoices can be extracted and analyzed. Estimated to increase efficiency of factoring invoices 300%.

<https://github.com/zachmerel/Everest-Automation>

Store Mock Application

This application is a mock up of a backend of a small store, written in Java and is built with a microservice architecture, including edge service, service layer, multiple CRUD services, Eureka service registry, and a config server .The application utilizes Spring and Springboot throughout. It has features to create, update, look-up, delete items and invoices including custom endpoints following REST principles and utilizing JPA. The application includes Spring security with certain authorization for certain actions, and has a message queuing system via RabbitMQ. The application has good testing coverage using Mockito and Junit along with documentation for the API with swagger 2.0. The application includes CI/CD via Jenkins.

<https://github.com/zachmerel/CapStone-2>