Patrick Kramer

Full Stack Developer

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PROJECTS

Alation Interface (Spectrum) — Vue/Django REST Application

- Allows system admins to manage data synchronization and update tasks within the Alation Data Catalog to various data sources (Teradata, Hadoop, etc...)
- Utilizes Python, Django, Vue.js, Bootstrap Vue, SQLite
- Collection of scheduled and one off jobs to keep Alation Data Catalog in sync with Teradata tables and user inputs

Logistics Module (FEDITC) — JSP/Vue/Java/Oracle Application

- Maintained and mitigated UI, backend and database specific bugs
- Added new functionality to application (csv export, data migration, etc.)
- Implemented Vue.js to run parallel alongside existing JSP pages
- Personally designed and implemented a new UI for the application, focusing on streamlining workflows and modern appearance
- Upgraded systems to operate Java 11 and Oracle 19c
- Technologies Used: Tomcat, Spring MVC, Oracle, Vue.js, Bootstrap 4/Bootstrap Vue, CSS3, JS, HTML5, JSP/JPA, Liquibase, AWS Services, Jenkins

Student Information System — React/Java REST Application

- Allows various users to communicate, compare data, monitor progress, while also providing a platform for grading students and data management. Attention given to UI/UX design.
- Technologies Used: Spring Boot, MVC, MySQL, React, Redux, Bootstrap4, CSS3, JS, HTML5, Hibernate, JPA, JPQL

EDUCATION

Claim Academy, St. Louis — *Full Stack Java*

April 2020 - June 2020

Learned and created software and web apps using a variety of tools. Became familiar with the use of HTML5, CSS3, JS, React, MySQL, Java, Spring, Restful Services, MVC architecture.

St. Louis Community College, St. Louis —*Continuing Ed*

August 2018 - May 2019

Learned C#, .NET, Winforms, SQL, Database Design, CRUD, Visual Studio

University of Missouri-St. Louis, St. Louis — *MEd*

May 2011 - December 2014

Masters of Secondary Education – Emphasis on curriculum design

Truman State University, Kirksville — *BA English*

August 2007 - May 2011

Studied English Language and Literature with a minor in Philosophy

SKILLS

Client Side Languages

HTML5, CSS3, JS (ES6), TypeScript, React, Bootstrap4, Vue.js, JSP, Bootstrap Vue

Java Development

Java, JSP/JSTL,JavaBeans Components, Apache Tomcat, Spring Boot, JUnit

Python Development

Python3, Django, Flask, Hypercorn

Database

MySQL, SQLite, Hibernate/JPA, Oracle, Liquibase, Teradata, Django

Other

JSON, MVC Architecture, REST Services, Redux, SQL, MQL5, Maven, Jenkins, AWS (EC2, Elastic Beanstalk, Database), Selenium, Sonarqube, Checkmarx, NGINX Servers, Keycloak, IntelliJ, PyCharm, Eclipse, Visual Studio

Backend Languages

Python3, Java

AWARDS

Teacher of the Year Nomination
Affton High School

SOAR Award
Nominated by students for going above and beyond –
*Affton High Schoo*l

EXPERIENCE

Spectrum (Charter), St. Louis — *Software Engineer II*

October 2021 - Present

Lead developer on the Business Intelligence team integrating a new database catalog. Worked with teams across the organization to encourage and engage participation in data stewardship processes. Implemented training programs/articles/videos to encourage adoption of catalog software.

FEDITC, St. Louis — *Scrum Leader/Software Engineer*

August 2020 - October 2021

Led a team of five developers, hosted daily meetings, attended to documentation and monthly reports. Scheduled and managed deployments. Organized and maintained proper testing procedures as well as maintained code base. Implemented Vue.js, Checkmarx and Sonarqube scans. Maintained high quality code standards using tools available in our pipeline.

Miriam Academy, St. Louis — *Secondary Teacher*

July 2018 - PRESENT

Created, maintained and implemented new curriculum to better reach learning targets and adapt to a varied student ability level.. Instructed on a variety of topics from English Literature, World History and Python.

Affton High School, St. Louis — *English Teacher*

August 2014 - July 2018

Assisted in data collection and implementation of a school wide reading program. Created and operated a school newspaper. Created and coached the debate team. Received multiple awards for outstanding achievement and service.

International Language School, Seoul, SK— *ESL Teacher*

November 2013 - November 2014

Created and implemented curriculum for students from ages 4-15. Communicated with parents and students, despite a language barrier.