

Patrick Kramer

Full Stack Developer

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PROJECTS

KitchenSink — Vue/Django REST Application

- Allows users to search or upload recipes from across the web and create shopping lists
- Utilizes Python, Django, Vue.js, Quasar, MySQL
- Pipeline for regularly searching and digesting additional recipes
- <http://www.the-kitchensink.com>

Various Projects (1904) — React/Angular/SolidJS/Java/Golang

- Lead team to update UI to company standard and accessibility requirements. Angular/Typescript
- Implemented new API for B2B users authorization: SpringBoot
- Add new functionality to allow B2B users to determine risk of business
- Created application to manage employee rewards/raffles: Golang, Terraform, SolidJS, Typescript
- Developed mobile first application for customer loyalty and rewards
- Utilized React, Angular, Typescript, SpringBoot, Jenkins, Terraform

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

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

SKILLS

Client Side

HTML5, CSS3, JS (ES6), TypeScript, React, Angular, Bootstrap4, Vue.js 2/3, JSP, SolidJS, Tailwind, Quasar

Backend

Java, Python, SpringBoot, Django, Flask, Golang

Database

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

Other

JSON, MVC Architecture, REST, Redux, Pinia, SQL, Maven, Jenkins, AWS, Firebase, Selenium, Sonarqube, Checkmarx, NGINX, Keycloak, IntelliJ, PyCharm, Eclipse, Visual Studio, Terradata, Terraform

AWARDS

Teacher of the Year Nomination

Affton High School

SOAR Award

Nominated by students for going above and beyond - Affton High School

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

EXPERIENCE

1904 Labs, St. Louis — Software Engineer (Consultant)

March 2022 - Present

Software Engineer/Consultant working with various companies and teams to solve problems and create solutions. Worked in a variety of tech stacks doing both frontend and backend development. Lead efforts for modernization on UI and decoupling of systems. Assisted with both new and existing applications across a wide variety of tech stacks and serving in a number of different technical roles.

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

October 2021 - March 2022

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 - August 2020

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.

