

JAVAN POHL

Westminster, CO
719.251.0999

javanpohl@gmail.com
linkedin.com/in/javan-pohl/
github.com/javan-pohl

SUMMARY

Full-stack Node.js/React/Express/REST API/Mongodb/MySQL/Postgres developer. Focuses on intuitive UX design and configuring the stack design for low latency. Prefers to acquire a deep understanding of concepts in order to master the technology. Facilitates clear communication between teams and in documentation by clarifying ambiguities in language.

SOFTWARE ENGINEERING PROJECTS

System Design Capstone | Repurposed legacy back-end codebase for a travel destination website to switch from a non-relational database (MongoDB) to a relational system (PostgreSQL) and reconfigured the REST API accordingly

- Seeded the database with 50 million records via an automation script that utilized compartmentalized, asynchronous function calls to keep RAM utilization within nominal levels
- Utilized PostgreSQL pool connections and clustered indexes to reduce latency of API calls
- Structured the database to achieve 3rd normal form to minimize duplication of data

Full-Stack Capstone | Developed a full-stack microservice application for a short-term rental website utilizing dynamically rendered React components populated by information from a MongoDB database through a REST API on an Express server

- Custom-built the CSS and logic for a calendar module with a streamlined UX design that simplified the selection of check-in/check-out dates
- Led the team's efforts on synchronizing the separate modules by implementing React-router and ensuring the front and back ends of each module adhered to the same data structure
- Designed calendar data architecture and look-up algorithms to achieve O(1) time complexity
- Deployed app to AWS on multiple EC2 instances

RELEVANT WORK EXPERIENCE

FIXNCELL — Westminster, CO

2014 – 2020

Owner / Operator

- Designed, built, and maintained the business website with focus on mobile-first responsive flex-box design
- Regularly rolled-out new features in anticipation of and response to customer needs

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES — Denver, CO

2006 – 2014

Lead Compliance Auditor, Office of Inspector General / Office of Audit Services

- Single-handedly developed in-house SQL methodology to identify hospitals that were overpaid by Medicare for high-cost patient visits, resulting in \$71M in returned payments and \$425M in potential savings for further evaluation

EDUCATION

Hack Reactor | Accelerated Software Engineering Immersive

2020 - 2021

Colorado State University - Pueblo | B.S. in Accounting | Minor in Computer Information Systems

2002 - 2006

TECHNICAL SKILLS

JavaScript, jQuery, React, Redux, Advanced CSS, Express, REST APIs, MongoDB, Mongoose, MySQL, Sqelize, HTML, Perl, Jest, CircleCi, Mocha, Docker