

JUSTIN COX

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SUMMARY

Full Stack Software engineer with 4 years of experience optimizing development processes and maximizing productivity to improve operations, availability, and performance. Experience with ERPs and passionate/curious about working with large data sets to push experience in data science. A versatile developer excited to solve unique problems.

EDUCATION

Bachelor of Science in Computer Science, 2022 – Bemidji State University, Bemidji, MN

PROFESSIONAL HISTORY

WORKD

REMOTE, USA

SOFTWARE ENGINEER I, (FULL STACK DEVELOPER)

July 2022 – October 2023

Junior-level full stack developer; used Angular, typescript, AWS, and SQL to develop Enterprise Resource Planning (ERP) software for use in the pharmacy industry and in commercial real estate environments.

- 🔗 Worked on integrations of data feeds for systems, including calendar, payments, product & Inventory, and client management systems
- 🔗 Developed clean, readable, and reusable components for ERP applications
- 🔗 Developed CRON jobs and data integrations to accumulate and integrate raw data from existing client resources into usable models
- 🔗 Interpret client requirements and implement them within the current codebase / ecosystem
- 🔗 Critical team member in the build/development and launch of the commercial real estate platform;
 - Assisted in the establishing connections across the stack, building property modules, client modules, and leasing components including forms
- 🔗 Worked on continuing client requests and debugging efforts

INDEPENDENT

BEMIDJI, MN

CONTRACTOR FULL STACK ENGINEER / IT LEAD / ADJUNCT PROFESSOR

2019 – 2022

Taking on various full stack projects while pursuing self-paced continuing education to expand knowledge of Data Science and data management techniques.

Will serve as an Adjunct Professor in the Spring 2024 Semester at Bemidji State University, teaching web development (PHP, MySQL, and GIT), 2x per week to 30 students per class.

On-Call IT Department Lead for Voyageurs Expeditionary School; manage, repair, and troubleshoot hardware and software resources and cloud licensing/subscriptions for a user base of 150 students and 20 staff members.

Project: Full stack weather collection app, Leech Lake Tribal College,

Remake of a previous self made app used to assist local college by collecting and processing proprietary data and enabling visualization for student projects. The original app was written in PHP on an Apache server; rewritten using React, NodeJS and Express.

Technology used: NodeJs, React with Typescript, MySQL, Express, Knex, Amazon AWS – EC2 (ubuntu)

- 🔗 Enhanced data collection intervals to 15 minutes vs hourly intervals with the new app
- 🔗 Created a CRON that has captured, filtered, and cleaned over 70,000 entries from remote APIs
- 🔗 This update is migrating the app to AWS cloud hosting from GoDaddy improving data integrity and customer service while drastically reducing site downtimes

Project: Pet Grooming Application Development (CRM Frontend)

Programming a proof of concept and the front end for a pet grooming app (web/mobile) that will reduce downtime for the client, manage scheduling, taking payments with the integration of Stripe, and will integrate a maps plugin for route planning

Technology used: NodeJs, React with Typescript

Project: Test React App and API on EC2

AWS learning project involving an out of the box react app and a simple express API hosted on EC2. The purpose of this was to test hosting on an EC2 instance/AWS Cloud Services and gain experience with the AWS Infrastructure.

Technology used: NodeJs, React, express, Amazon AWS – EC2 (Ubuntu)

KEY SKILLS & COMPETENCIES

CI/CD pipelines • Testing Automation • Workflows & Process Automations • Data Interface • Agile SDLC • Amazon AWS – EC2 (ubuntu) • Angular and React Frameworks

Coding Languages: NodeJs, React with Typescript, JavaScript, PHP, Python, Java, C++, C#, SQL, MySQL, Express, Knex