

Patrick Parker

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I am a senior-level software engineer with over eight years engineering experience. I get great satisfaction out of my work, and I enjoy the game of using code to solve complex and difficult problems. I have spent my career in various engineering roles developing my skills in balancing very specific and nuanced requests with clean, readable, and reusable solutions. I love to see my work out in the wild and making an impact in the world. I enjoy learning new systems and languages, and often spend my free time working on projects using unfamiliar tools to broaden my skillset. I look forward to sharing my passion, problem-solving insight, and coding expertise with my next employer.

Professional Skills

Throughout my career, I have worked in a wide array of stacks. Most of my experience is in full-stack development, and as such I have worked with many different tools, programming languages, and programming techniques. Here are some of the skills that I have been able to cultivate significant real-world experience with:

Programming Languages

JavaScript - Node.js - TypeScript - PHP - .NET - C# - Go - Python

Front-End

Angular - Vue - React - Bootstrap - Material Design - jQuery - SCSS - HTML - CSS

Data Management

RDBMS - TSQL - Oracle SQL - MySQL - PostgreSQL - Redshift - MongoDB - Database Administration - Advanced Queries - Stored Procedures - Views - Materialized Views - Triggers - Schema Design

Data Movement

RESTful APIs - Custom and proprietary APIs - JSON - RabbitMQ - Web Scraping - SFTP - S3 - B2

DevOps

Linux - Linux CLI - Bash Scripting - Cloud Servers - Azure - AWS - Docker - Docker Swarms - Creating Custom Docker Images - Private Docker Image Repos - Docker Compose - Windows Server - Hyper-V - VMware

Artificial Intelligence

ChatGPT - Stable Diffusion - OpenAI API - Custom Applications using back-end AI text and image generation

Project Management

Git - GitHub - GitHub Actions - Azure DevOps - Kanban - Trello - Slack - Microsoft Teams

Soft Skills

In addition to the skills above, I have many traits that I am proud to bring to the team that I work with. I have proven initiative, and historically exceed expectations with adapting to new code environments. I have shown a high level of effectiveness and responsiveness in a fully remote environment, communicating regularly, and facilitating positive team dynamics. I consider my colleagues to be my friends and enjoy connecting on a personal level. These relationships extend beyond the workplace, and I continue to have great connections with my previous employers and colleagues.

Professional Experience

Software Engineer

Ezoic Inc.

August 2022 – July 2023

Carlsbad, CA (Remote)

At Ezoic, I worked as part of a fully remote team to design and implement optimizations to the front and back-end systems that support the product platform. In addition, I was selected to design and build internal tools and dashboards using my skills in full-stack development and eye for pleasing UI/UX experiences when managing large datasets. Common tools that I used at Ezoic include Go, JavaScript, Node.js, Vue, PHP, AWS, Docker, SQL, Redshift, Linux/Bash, and OpenAI among others. Some of my accomplishments during my time at Ezoic include:

- Implemented strategic optimizations and enhancements into large-scale ad system handling 10-100 million web interactions daily
- Within two months, I designed a new interactive A/B testing data visualization interface, streamlining data monitoring. This project won Ezoic's internal "Hackasaurus" award for its high-quality design.
- Quickly gained deep understanding of code base. Engineered high-stakes modifications and complete module rewrites that pushed into production without issue
- Developed proficiency with leveraging AI tools to enhance my skills and enable rapid development
- Effectively collaborated with a fully remote team, efficiently coding intricate systems, and proving flexibility and agility in a startup environment
- Implemented high-rate data tracking using Kinesis that stores and tracks billions of data points
- Built a Vue dashboard for Ads.txt data that used a complex association system allowing users to configure entries for a domain file with a pleasing UI

Programmer/Analyst

KPBSD

July 2018 – August 2022

Senior Engineer

Soldotna, AK

At the Kenai Peninsula Borough School District (KPBSD), I acted as a senior developer in charge of development work on most of the student data systems, as well as the developer that created new applications for controlling data and improving workflows. I worked with many tools at KPBSD, including JavaScript, Node.js, Typescript, PHP, .NET, C#, Angular, SQL, Docker, Azure, and RabbitMQ. Here are some of the responsibilities I carried at KPBSD:

- Engineered and maintained custom web-based applications using modern frameworks
- Acted as a database administrator, designing databases and managing data movement workflows
- Devised innovative solutions to complex data lifecycle and information management challenges using a wide range of tools
- Created form data ingestion system that allows staff to review form data in real time. This automated tedious workflows, instantly saving thousands of work hours
- Created node based microservice architecture vastly improving data movement delays, and making events happen instantly for end users

Data Processing

KPBSD

February 2016 – July 2018

Engineer

Soldotna, AK

This role at KPBSD was focused on workflow optimization and student data management. I quickly outgrew this position, as I was working on advanced programming systems and had responsibilities well above my title before I was promoted to the senior position of Programmer/Analyst. Tools I used in this position include JavaScript, PHP, SQL, jQuery, HTML, and CSS. Some of my responsibilities in the Data Processing Programmer position included:

- Designed and implemented front and back-end modifications to SIS applications
- Created custom data tracking solutions for district needs, including analysis and visualization
- Facilitated state data reporting and other data request fulfillment
- Built a Medicaid data tracking system to completely streamline and automate the way Medicaid tracking was done for special education, resulting in over \$1m in additional funding