David Kozdra

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SUMMARY

Proactive Software Engineer with 3 years of experience designing and building robust APIs, optimizing front-end performance, and managing scalable cloud infrastructure. Proficient in Node.js, React.js, SQL, and AWS.

EXPERIENCE

Software Engineer (Meta Contingent Worker) | Cognara | Remote | October 2025 - Present

- Implemented robust automated QA scripts using deployment tools and cloud-based testing environments, ensuring high compatibility with existing LLM and Meta platforms.
- Refactored and maintained React codebase for internal tooling, incorporating PHP/HACK and GraphQL integration for improved data handling.
- Authored and refined internal prompts and evaluation scripts to enhance large language model (LLM) and Model Context Protocol (MCP) tooling functionality utilizing Python and prompt engineering best practices.
- Created and edited existing documentation for project longevity and onboarding.

Lead Software Engineer | Red Chip | Maitland Florida | December 2023 - June 2025

- Led a team of four developers, managing task delegation and ensuring the successful delivery of multiple product initiatives from planning to deployment.
- Developed 20+ secure RESTful API endpoints using Flask (Python) and Node.js, integrating third-party data sources such as Google Sheets, Edgar SEC, OpenAI, MySQL, and Salesforce. Optimized front-end performance using React.js, TypeScript, HTML, PHP, and CSS—resulting in faster page load times and improved user experience.
- Drove major platform enhancements across security, accessibility, SEO, and interface design, contributing to a 30-point uplift in key website performance metrics.
- Architected scalable AWS infrastructure for a Retrieval-Augmented Generation (RAG) chatbot leveraging large language models to index and retrieve insights from 1,000+ external documents.

Jr Full Stack Developer | Z-Axis Solutions | Winter Haven Florida | August 2022 - September 2023

- Expanded 40+ REST API endpoints within a Node.js back-end, to gather data from the database to the front end.
- Guided a team of 5 engineers in successfully delivering an educational event application, overseeing system infrastructure development, customer deliverables, and implementation.
- Implemented 20+ features, including user chatting, automated emailing, and database to CSV, to boost overall efficiency and performance with React.js best practices, such as render virtualization and memorization.
- Practiced Test-Driven Development (TDD) and conducted unit testing, executing 20+ queries on a NoSQL database, and thoroughly validating endpoints through Postman and Jest to ensure robust functionality and performance.
- Guided interns in coding best practices, accessibility standards, and effective troubleshooting methods through interactive mentoring sessions.

EDUCATION

Bachelor's Degree of Computer Science | Florida Polytechnic University | Minor in Software Engineering | Lakeland, FL | 2023 | 3.4 GPA

- President of Media Club for two years leading 100+ member events 2 times a year

CERTIFICATIONS

Certified in Cybersecurity(CC) | (ISC)² | 2023

- Demonstrating a focus on security practices and principles such as phishing prevention and OSINT.

W3C Verified Certificate for Introduction to Web Accessibility | edX | 2023

- Showcasing proficiency in creating accessible web experiences for a diverse user base.

SKILLS

Technical Skills: JavaScript, Typescript, MongoDB, Express, React, Node.js, AWS, SQL, HTML, CSS, Python, WordPress, PHP, Linux, Git, Docker, Jira, Adobe Suite

Soft Skills: Project Management, Team Leadership, Mentoring, Collaboration, Communication, Problem Solving

Areas of Interest: Web Development, API Development, Cloud Computing, Cyber security, Data Visualization, Accessibility, Software Engineering