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Software Engineer

Summary

Experienced Software Engineer with a strong background in application development and cloud infrastructure. Proficient in developing scalable, high-performance applications using AWS services. Adept at working with diverse teams to deliver innovative solutions and drive business growth.

Technical Skills

Front-End: JavaScript, TypeScript, React.js, Next.js CSS3 Flexbox/Grid

Back-End: Node.js, PHP

Database: MySQL, NoSQL

Others: AWS (EC2, S3, RDS, SMS), Linux, Prisma

Education

October 2017 – March 2020

New England Institute of Technology, East Greenwich, RI

Associate of Science in Information Technology / Software Engineering

Experience

May 2022 - Present

Software Engineer, Police Records Management Group (PRMG)

- Spearheaded application development, implementing innovative features and maintaining existing systems to ensure optimal performance
- Designed, developed, and managed a robust cloud infrastructure leveraging AWS GovCloud services, including EC2, S3, RDS, and SMS, to achieve greater scalability and efficiency
- Revamped the majority of the application's UI, significantly enhancing user experience and streamlining functionality
- Optimized application API endpoints to deliver superior performance and reliability, ensuring seamless integration with various services
- Pioneered the migration of the application file storage system from AWS block storage to S3 pre-signed URLs, achieving a 77% cost reduction in storage expenses while enhancing availability, redundancy, and security
- Engineered and implemented pivotal application features, playing a crucial role in acquiring new customers and driving business growth for PRMG

Projects

E-commerce Store

(Live site) (GitHub)

- Created back-end Node.js web server with Express.js and implemented a RESTful API
- CRUD admin functionalities to manage users, products, and orders
- Utilized React.js to implement functional reusable components
- Implemented payment method using PayPal

Technologies: React.js, Node.js, Express.js, MongoDB (Mongoose), JWT, Redux, CSS

Bug Tracker Management App

(Live site) (GitHub)

- Created back-end Node.js web server with Express.js and implemented a RESTful API
- Utilized React.js to implement custom hooks and functional reusable components
- Implemented user authentication with JWT

Technologies: React.js, Node.js, Express.js, MongoDB (Mongoose), Redux Toolkit, JWT, CSS