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## Software Engineer

### 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), Docker, Linux, Prisma

### Experience

May 2022 - Present

Software Engineer, Police Records Management Group (PRMG)

- Led the end-to-end development of a pivotal feature to manage upfront costs of public record requests. My responsibilities included architecting the solution, designing the database schema, developing the backend APIs, integrating the Stripe payment process, and crafting custom email templates for notifications. This innovation was instrumental in acquiring three new clients, significantly bolstering the company's growth potential.
- Redesigned the payment workflow, implementing a robust backend for payments that significantly enhanced transaction efficiency and security.
- Implemented email-based Two-Factor Authentication (2FA), significantly improving the security measures for user accounts and reinforcing data protection.
- Took the lead in engineering and executing an end-to-end migration of the application's file storage system from AWS block storage to S3 buckets, resulting in a 77% cost reduction and improved system availability and security.
- Successfully integrated Docker into the development process, establishing a uniform development environment and streamlining the deployment process.
- Mentored new hires and streamlined their onboarding process, reducing onboarding time and increasing team productivity and efficiency.

### Projects

E-commerce Store

(GitHub)

Developed a robust back-end Node.js web server with Express.js and implemented a RESTful API.

- Leveraged React.js to craft functional reusable components, boosting code reusability and maintainability.
- Seamlessly integrated PayPal, facilitating secure and convenient user transactions.

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

Bug Tracker Management App

(GitHub)

- Engineered a back-end Node.js web server with Express.js, crafting a RESTful API.
- Utilized React.js to create custom hooks and functional reusable components, streamlining the development process.
- Instituted user authentication using JWT, enhancing the security of the application.

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

### Education

New England Institute of Technology, East Greenwich, RI

Associate of Science in Information Technology / Software Engineering