

David Richard

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PROFESSIONAL AND TECHNICAL SKILLS

- Over 6 years of frontend experience with modern frameworks and languages including Typescript, Javascript, React, and React Native, creating performant, responsive user interfaces for websites and apps.
 - Exposure to other frontend frameworks including Vue.js, Next.js, Gatsby.
 - Experience developing with backend tools such as Node.js and Ruby on Rails.
 - Developed extensively with cross-platform desktop apps using frameworks including Electron and Tauri.
 - Experience with relational databases such as MySQL, PostgreSQL, and NoSQL databases like MongoDB.
 - Proficient in version control with Git, building RESTful APIs, and standard web technologies (HTML5, CSS3).
 - Deployed/managed cloud applications (AWS: EC2, S3; GCP: Compute Engine, Cloud Storage) and serverless solutions (Cloudflare Workers, Lambda).
 - Experience programming with languages including Rust, Ruby, Dart.
 - Familiarity with additional languages such as Python and C#.
 - Implemented DevOps strategies including CI/CD pipelines using tools like GitHub Actions to automate build, testing, and deployment processes, improving deployment frequency/reliability.
 - Applied Test-Driven Development (TDD) principles and writing comprehensive unit tests, integration tests, and end-to-end tests to ensure software quality and reliability.
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WORK EXPERIENCE

HummHive

November 2019 – Present

Software Engineer

Anchorage, AK

- Led the international team to design and implement a protocol for secure data creation and sharing using Agile methodologies.
- Engineered a complex encryption scheme built on top of Saltpack signcryption, enabling secure and performant data sharing with a dynamic and expansive list of recipients.
- Designed and implemented a robust set of APIs intended to abstract the complexities of creating and sharing encrypted data, to be used by plugin creators.
- Created a modular plugin system underpinned by NPM allowing both Electron and Tauri apps to be extended leveraging the core app APIs
- Collaborated with UI/UX designers to implement responsive and precise user interfaces using React.

HummHive

May 2019 - November 2019

Frontend Software Engineer (Short-Term Contract)

New York, NY

- Developed a highly modular, extensible rich text block editor, enabling customizable content creation.
- Conducted an in-depth evaluation of JavaScript text editor libraries, selecting Slate JS for its schema-less design and plugin architecture, effectively reducing development complexity and enhancing flexibility.

Self-Employed

March 2017 - October 2018

Freelance Software Engineer

Ormond Beach, FL

- Designed and developed customized applications using Parse Server, React, and React Native, providing tailored solutions to meet client-specific needs.
 - Developed a HIPAA-compliant mobile application piloted at NY Presbyterian/Weill Cornell Medical Center, streamlining patient-physician communication while ensuring strict adherence to regulatory standards.
 - Engineered a bespoke e-commerce shop leveraging the WordPress JSON API, delivering seamless customization tailored to client-specific requirements.
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EDUCATION

AppAcademy

February 2019 | New York, NY

- Completed a 1,000-hour immersive full-stack web development program with a <3% acceptance rate, focusing on modern frameworks, languages, and data-driven methodologies in software engineering.