

## TECHNICAL SKILLS

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**Strong:** JavaScript (ES7), React/Redux, Node.js/Express, Java, Android SDK, Python, Relational Databases, NoSQL Databases, Git  
**Experienced:** GraphQL/Apollo, Vue.js / Vuex, AWS, Webpack, Travis CI, jQuery, Mocha, Chai, OAuth 2.0

## EXPERIENCE

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### Front Street Solutions | Software Engineer

2018 - Present

- Developed Helios, an Apollo state logger for Chrome Dev Tools to enhance and streamline the process of debugging state management in Apollo Client and *Apollo* cache-in-memory, a feature not available in Apollo's own dev tools
- Developed Single-Page demonstration application using Vue and Vue-Apollo, binding data to UI and reactively updating components based on Apollo query and mutation results to ensure performance while adhering to a flux design pattern
- Added decorators to Apollo mutate method to capture and pass state changes into the Chrome DevTool, efficient tracking of mutations in the reactive data layer and revealing potential side effects of application events
- Simplified SPA build using Vue Router and Webpack to provide nested routes, component-based router configuration, route parameters, and deep integration with Vue.js core, allowing for minimal build size and ease of iteration
- Architected GraphQL backend using GraphQL to accelerate development and leverage the advantages of serverless technologies
- Implemented a diffing component to track & highlight changes between large state objects, delivering a debugging experience unavailable in Apollo's own dev tools

### Freelance & Open Source | Full Stack Developer - *see separate section below*

2016 - 2018

### GetBetz | Technical Lead

2014 - 2015

- Created a proprietary Android app store with Node.js to rapidly distribute partner apps and track user acquisition
- Architected the product back-end in the AWS environment using EC2, S3, and Elastic Load Balancing to track deep links across mobile apps

### Symphony Health Solutions | Software Engineer

2005 - 2014

- Utilized Python for data cleaning, matching, and analytics of multiple large Relational Databases to optimize targeting of specific users
- Provided technical leadership to business stakeholders on project feasibility and risks in order to expedite project turnaround time while ensuring delivery of accurate data to clients
- Developed market research studies using JavaScript, jQuery, HTML, CSS, and the Confrimit API to capture and store data in a Relational Database and modify DOM elements for quantitative studies
- Authored a large-scale, highly-customizable market research generation application in Flash & ActionScript in order to quickly create online studies

### IBM | Software Product Design Professional

2002 - 2005

- Developed a Java tool for optimizing, tagging, and delivering image assets for all of ibm.com's marketing sites to centralize content distribution
- Managed lotus.com's web accessibility compliance (Section 508), making millions of web pages accessible to screen readers and accessible browsers

### Freelance & Open Source | Full Stack Developer

2016 - 2018

### Mirror-Mirror | *Technical Interview & Hiring Experience Sharing Portal*

- Built a single page application using React and React Router to handle authenticated routes and client-side rendering to minimize server calls and boost performance by minimizing page load times in a data-heavy application
- Leveraged Passport.js to securely authenticate users with Github, persist user sessions and render views based on Github permissions for a clean UX
- Streamlined UI elements with Material UI components and visual design patterns to unify site layout to create a responsive, mobile-friendly UI

### Dev Journal | *Webapp to annotate daily code commits*

- Developed a React app with reusable components and one-way data binding for developers to expedite the version control and SCRUM process
- Implemented Redux for centralized state management, data immutability, and rapid iteration to ensure data integrity of commentary

### DP Challenges | *Native Android app for CS algorithm challenges & solutions*

- Developed a native Android app using the Reddit API for tracking and sharing competitive programming challenges leveraging the MVVM pattern, Content Providers, and Material Design, in order to share content with other applications and deliver an intuitive user experience
- Utilized Firebase, Timber, Stetho, Active Android, and Retrofit to track analytics, model data, and enable rapid deployment to the Google Play Store

## EDUCATION

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Notre Dame de Namur University - B.S. Computer Science

2016

## INTERESTS

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Cycling through California backroads, getting lost on road trips, and enjoying good coffee with a great sci-fi book