

RICHMAN LARRY CLIFFORD

Fullstack Software Engineer | BSc (Hons) Computer Science

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SUMMARY

A self-motivated fullstack software engineer with about 7 years of experience building scalable and maintainable web applications across several industry domains, experienced with remote work in a globally distributed environment and team management. Experienced with working in both startup environments and bigger organizations including being a startup co-founder as well as working in a large software development agency. Highly skilled in building applications with RESTful backends interacting with frontends built with either Vue.js, React.js or vanilla JavaScript deployed on AWS using both relational and non-relational datastores and very efficient and self-directed in picking up new technologies as required. Passionate about mentoring less experienced software engineers.

TECHNICAL SKILLS

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|--------------|------------|----------------|------------------|
| ○ PHP | ○ NestJs | ○ Pinia | ○ Git |
| ○ JavaScript | ○ Django | ○ MySQL | ○ GitHub |
| ○ TypeScript | ○ Vue.js | ○ PostgreSQL | ○ GitHub Actions |
| ○ Python | ○ Nuxt | ○ MongoDB | ○ Docker |
| ○ HTML/CSS | ○ React.js | ○ TDD | ○ CI/CD |
| ○ Laravel | ○ MobX | ○ E2E Testing | ○ RESTful APIs |
| ○ Livewire | ○ Redux | ○ Unit Testing | ○ Posthog |
| ○ Node.js | ○ Vuex | ○ AWS | ○ CustomerIO |
| | | | ○ Metabase |

WORK EXPERIENCE

Fullstack Software Engineer, Valence

Mar 2021 – Dec 2023 | Toronto, Ontario, Canada

Valence is a Canada-based startup specializing in team coaching software. My role involved:

- Made enhancements and new features across 4 product offerings utilizing Laravel, React and TypeScript.
- Developed a real-time team game utilizing SSE.
- Implemented a 100% overhaul of the main app's information architecture to greatly improve user experience.
- Updated backend queries to solve N+1 query problems among others leading to major performance improvements across 2 major features.
- Reduced flakiness of E2E tests by over 90% while increasing test coverage as well.
- Increased efficiency of Customer Success team by building tools for them using Laravel Nova.

Software Engineer, GRG Ezitek Solutions

Oct 2017 – Mar 2021 | Kumasi, Ghana

Ezitek Solutions is a software development agency I co-founded and worked at as a software engineer. I achieved the following:

- Architected, built and deployed a highly available online food ordering service with all its business processes automated using Laravel and Vue.js.
 - Wrote utility scripts in Python and PHP to do web scraping, image processing, data backups among others.
 - Developed and deployed an election result collation service for parliamentary elections in one of the electoral constituencies in Ghana. The service was used for real-time results monitoring and ingested data from a mobile app and USSD service.
 - Led daily/weekly standups for a team of 4 engineers.
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Software Engineer, Clearcare Solutions

Oct 2018 – Mar 2020 | Stafford, UK

Clearcare Solutions is a leading provider of foster care homes software in the UK. As part of a contract that had Ezitek Solutions' engineers consulting for them, I achieved the following:

- Migrated a legacy PHP system to PHP5 through PHP7 using Laravel and Vue.js.
- Increased productivity of care home admins by planning and building enhancements to a custom form builder and task logs editor.
- Improved the capabilities of the software's reporting module by 100% by architecting and building a customer dashboard designer tool.
- Implemented a 100% overhaul of the app's UI to produce a modern and more responsive experience.
- Collaborated with the technical lead and project manager to plan the migration of the system to AWS.

Web Developer, Scopic Software

May 2017 – Dec 2018 | Massachusetts, USA

I was a web development consultant for client projects at Scopic Software and had these accomplishments and experience among others:

- Built and maintained web applications using Laravel and jQuery and running on AWS.
- Maintained the CRM software for a car dealership chain and built an analytics dashboard, a social media campaign creator powered by Facebook SDK and AI integration for an automated customer service chatbot.
- Architected and built a data management panel for a pharmaceutical company carrying out pharmaceutical research and analysis.
- Developed and integrated a WordPress plugin into a client's real estate property listing website which aggregated data from various data sources.

Freelance Software Developer

Feb 2015 – May 2017 | Kumasi, Ghana

I worked as a freelance software developer building software and web solutions using desktop and web technologies and had these achievements among others:

- Built and deployed a REST API powering a local restaurant's mobile app using Laravel and deployed on AWS.
- Designed and built a quiz app for college Economics MCQ questions practice which won an award at an app contest.
- Built a software for managing communications for a student group using email and SMS channels. It was developed with Laravel.
- Architected and developed a church management system on a custom MVC framework in PHP.
- Built a software for managing the registration of students in a client's chain of schools for various national exams.

EDUCATION

BSc Computer Science

Sep 2015 – Jul 2019 | Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

- Graduated with a first-class honours degree.
- Won a hackathon organized for universities in Ghana as part of a team of 3 in 2017 with a fintech app.
- Served as a Research Officer for the Computer Science Society in 2018.
- Developed an automated college timetable generation system using genetic algorithms for my final project.
- Spearheaded several open-sourced tools and got interested collaborators from my school and other universities.
- Inspired and mentored fellow students and juniors to start careers in software development.

LANGUAGES

English – native speaker