

HSEIN BITAR

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ABOUT

DevOps Engineer and Full Stack Developer with a strong foundation in cloud infrastructure management, feature development across the tech stack, and automation. Experienced mentor, having successfully upskilled aspiring developers through full-stack web development bootcamps, leading many to secure internships and jobs. Committed to delivering scalable, efficient solutions and fostering long-term growth within collaborative teams.

PROFESSIONAL EXPERIENCE

DevOps Engineer, N Squared Digital, Los Angeles, California (remote)

Aug 2023 – Present

- Implemented white-labelling using a scalable and cost-effective approach
- Implemented scalable and reliable system designs utilizing web servers, worker servers, cloud functions, and load balancers.
- Optimized GitHub Actions continuous integration pipeline making the CI feedback cycle 40% faster (22 mins to 13 mins)
- Increased efficiency and development velocity by automating repetitive tasks and implementing a containerized development environment (Docker). This also accelerated code reviews and simplified Quality Assurance (QA) processes.
- Implemented continuous integration (CI) pipeline with end-to-end testing. This reduced the time needed for QA by over 50%.
- Automated provisioning and orchestration of Google Cloud infrastructure resources for a SaaS data analytics platform.
- Investigated and resolved an average of 70 bugs per quarter – using a variety of approaches including step-debugging, code profiling, and log analysis

Junior Full Stack Web Developer, N Squared Digital, Los Angeles, California (remote)

Aug 2022 – Aug 2023

- Designed and implemented a one-click OAuth solution which greatly improved user-experience, reduced support tickets by over 15% and helped the company retain more customers and avoid refunds.
- Investigated and resolved 200+ bugs over a span of three quarters, demonstrating strong problem-solving skills.
- Integrated event-driven third-party payment gateways, specifically Stripe, and PayPal (webhooks).
- Wrote backwards compatible error safe code for sensitive features deployed on thousands of customers' servers.
- Implemented Laravel jobs and services for automating business workflows and repetitive tasks.

NOTABLE PROJECTS

Broken Trend Detector An advanced stocks screener that uses Alpaca API to detect trend changes of an asset market price

NFT art generator allows you to generate a variety of art starting from N variations of each component

Flow Xr - MERN, TypeScript, Redux, SocketIO, ThreeJS, Amazon Web Services allows you to customize the products in a 3D configurator, then order. Allows stores to work on each order in a separate real-time chat room.

Address Book - MERN, TypeScript, Google Cloud Platform, Google Maps API lets you link your contacts to specific locations and organize them based on your relationship to them.

Survey Builder - Laravel, React, Zustand, MySQL lets you create a form, share its link, collect and view entries with statistics.

ACADEMIC BACKGROUND

Google Cloud - DevOps Engineer SRE Learning Path Defining and implementing best practices for efficient and reliable software delivery and infrastructure management.

Google Cloud - Cloud Developer Learning Path A curated collection of on-demand courses, labs, and skill badges that provide you with real-world, hands-on experience using Google Cloud technologies essential to the Cloud Developer role.

Software Engineering Factory Intensive full stack web development program covering cloud architecture, front-end and back-end development, source control, and web application security over 14 weeks of lectures, workshops, and projects. Implemented a total of 16 projects ranging from simple static web pages to full stack web apps with real-time and 3D technologies.

Master's degree

July 2019, Lebanese University

I built a strong programming foundation in C# and JavaScript, creating scripts to automate and optimize various processes. Learned tools such as Git and became familiar with software development best practices

CORE COMPETENCIES

- **Soft Skills** // Remote Collaboration, Cross-Cultural Communication, Active-listening, Problem solving, Taking Initiative.
- **Programming (and Scripting) Languages** // JavaScript, TypeScript, BASH, PHP, Python, HTML, CSS, SCSS,
- **Database Management Systems** // Redis, MongoDB, MySQL
- **Frameworks, and Libraries** // React, Express, NodeJS, NextJS, ElectronJS, Redux, Zustand, ThreeJS, SocketIO, Laravel, Vue.js
- **Tools, and Cloud Services** // Docker, Postman, GitHub, GitHub Actions, NGINX, Google Cloud Platform, Amazon Web Services, Laravel Forge
- **Theory** // Complexity Analysis, Data Structures and Algorithms, Design Patterns, OOP, and Database Design
- **Design** // UI Design, Figma, Adobe Illustrator, Adobe Photoshop, CAD, 3D Modeling and Generative Design
- **Languages** // Fluent in written and spoken English - Fluent in written and spoken Arabic - Basic French