DAVID VARGAS

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Qualification Summary

Experienced **Software Engineer** & **Team Leader**, with over **15 years** in the industry, specializing in building scalable, high-performance web applications. Thrives in full-stack development environments using modern JavaScript technologies and frameworks. Strong focus on **React**, **Node.js**, and **TypeScript**, With hands-on experience in the **MERN stack**, **GraphQL**, and cloud-native architectures. Delivers reusable, maintainable solutions through collaborative development, CI/CD automation, and user-centric design. Skilled in writing end-to-end tests using **Cypress** and **Playwright** to ensure application quality and cross-browser reliability.

Skills Summary

Languages	Javascript, Typescript, C#, Ruby, HTML 5, CSS 3, Java, C++, SQL
Frameworks	ReactJS, Redux, .Net, NodeJS, MERN, ExpressJS, Ruby on Rails, Open-Search, Next.JS, Foundation
Databases	MongoDB, PostgreSQL, DynamoDB, Microsoft SQL Server, MySQL
Protocols	Rest, GraphQL, JSON-API, SOAP, TCP, Web-sockets
Testing	Jest, React testing library, Cypress, Playwright**,** Selenium, RSpec, MSW, Enzyme,
Environments	Visual Studio Code, Intellij, Eclipse, NetBeans, Microsoft Visual Studio, Borland C++ Builder
UX - Reporting	Datadog, Rollbar, New Relic, Monetate, Tealeaf, Fullstory, Splunk, Lighthouse
Version Control	Git, Subversion, TFS
Industries	E-Commerce, Retail, Health-Care, Automotive
Project Mngmt & UX	SCRUM, Slack, Jira, Trello, Confluence, Figma
Clouds	AWS, Azure

Experience

Unite Us, New York, USA   MAR 2022 – Present
Tech lead | Senior Software engineer
 Led a team of engineers focused on building scalable, user-centric search experiences across multiple platforms to connect individuals with social services.
- Designed and implemented scalable, high-performance web applications using **React, TypeScript, Node.js, Express, and MongoDB & Mongoose** for Social Services solutions.
- Led the implementation of **micro-frontend architecture** using NPM packages to modularize the platform within a monorepo.
- Built multiple test suites for End-to-End (E2E) testing with **Cypress** and **Playwright** and Unit Tests with **React Testing Library (RTL)** and **Jest**
- Managed cloud services on **AWS** & **MongoDB Atlas**, **S3, Elastic Beanstalk**, **CloudFront**, **Route 53**.

- Built and maintained backend services and integrations using **Node.js**, **MongoDB**, and **OpenSearch** (ElasticSearch).
- Maintained and extended a shared **UI component library** using **Material UI**, **TailwindCSS**, and **Storybook**.
- Mentored engineers and enforced best practices in code reviews, testing, accessibility, and CI/CD deployment strategies.

Office Depot, Boca Raton, Florida, USA   MAR 2019 – April 2022
Team Lead | Senior Front-End Developer

Lead a team of front-end engineers, in order to design and build a web solution, that will be the center of all search and navigation for the B2B e-commerce platform.

- Led a frontend team delivering the core **search and navigation system** for a B2B e-commerce platform built with **React.js and Redux**.
- Developed micro-frontend packages integrated into the e-commerce architecture and collaborated on backend services using **Node.js** and **PostgreSQL**.
- Designed and deployed solutions using **AWS services** such as Lambda, RDS, Route53, and CloudFront.
- Played a key role in the launch of the **Print on Demand** web app — the leading U.S. platform for online printing services.
- Built test suite for the main search engine of the ecommerce based on **React Testing Library (RTL)** and **Jest**
- Managed Dockerized builds and multiple CI/CD pipelines to ensure rapid and stable feature deployment.

ROWriter-TBC Corporation, Juno Beach, Florida, USA   October 2016 – February 2019
Full Stack Developer

- Developed a nationwide software update platform (React, .NET) and a POS system integrated with major US tire supplier APIs.
- Built a data import tool for CSV/Excel to SQL (ASP.NET MVC, Entity Framework), reducing manual workflows and tech-support costs.

SISTEC S.A, Luanda, Angola   MAR 2014 – MAY 2016
Team Lead

- Design system architecture based on **ASP.Net MVC 5**, **HTML 5, CSS 3, JavaScript**, **Entity Framework** and **MS SQL Server**.
- Lead and coordinated a team of **.Net & C#** developers' to build an Enterprise Resources Planning (ERP) system.
- Played a key role in technology selection, project vision and development process, generating early deliverables and a ready-to-sell version of the product in a short time

DATAZUCAR, AZCUBA, Havana, Cuba   SEP 2012 – FEB 2014
Senior developer

- Developed several web systems for Human Resources, Accountant, Transportation and enterprise management.
- Worked as part of an agile team delivering fast results using SCRUM methodology

University of Computer Sciences, La Habana, Cuba   SEP 2008 – AUG 2012
NET DEVELOPER | PROFESSOR

- Professor of Programming Techniques and Data Structures, used C# and Visual Studio as study tools.
- Worked as software support engineer creating internal IDE tools for accelerating development process using C#, XML, HTML, CSS and MS SQL.Contributed to secure university's intellectual property by powering the solution with MD5 snapshots, code cipher and obfuscation mechanisms.

Education

University of Computer Sciences, La Habana, Cuba (2009). Bachelor's Degree Engineer in Computer Science