

DAVID VARGAS

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Qualification Summary

Experienced Senior Software Engineer and team leader with 15+ years of expertise in designing and implementing high-performance web applications. Specialized in **ReactJS, NextJS, Typescript & JavaScript** and multiple **backend tech** as **NodeJS, Express, C#, SQL & MongoDB** among others, with a focus on building reusable components and optimizing **CI/CD pipelines**. Experienced in cloud computing architectures and containerizing, particularly in deploying and scaling front-end applications using **AWS and Docker**.

Skills Summary

Industries	Health-Care, E-Commerce, Retail,, Automotive
Languages	Javascript, Typescript, C#, Ruby, HTML 5, CSS 3, Java, C++, SQL
Frameworks	ReactJS, NextJS, NodeJS, React I18n, Redux, MERN, ExpressJS, GraphQL & Apollo, Django REST API, Ruby on Rails, Open-Search,, Foundation, .Net,
Databases	PostgreSQL, MySQL, Sequelize, Prisma, Microsoft SQL, MongoDB, Mongoose
Protocols	Rest, GraphQL, JSON-API, SOAP, TCP, Web-sockets
Testing	Jest, React Testing Library, Cypress, Selenium/Playwright, RSpec, MSW, Enzyme,
UX - Observability	Datadog, Rollbar, New Relic, Monetate, Tealeaf, Fullstory, Splunk, Lighthouse
CICD & Version Control	Git Actions, Vercel, Jenkins, Docker, Terraforming, Git, Subversion, TFS
Environments	Visual Studio Code, IntelliJ, Eclipse, NetBeans, Microsoft Visual Studio, Borland C++ Builder
Project Mngmt & UX	SCRUM, Slack, Jira, Trello, Confluence, Figma
Clouds	AWS, Azure

Experience

Unite Us, New York, USA

MAR 2022 – May 2025

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.

- Led the development of scalable, client-side features for a **health care & social services** web platform using **React, NextJS, NodeJS, and TypeScript**.
- Led efforts for internationalization and localization services using React I18n across the entire platform.
- Pioneered **micro-frontend** architecture with **NPM** packages to create independent platforms from the platform monorepo.
- On the back-end developed and maintained multiple **API** services with **NodeJS, Express, GraphQL & Apollo, MySQL & Sequelize** as well as **MongoDB and Mongoose**.

- Maintained APIs and services based on **Ruby on Rails and OpenSearch**
- Collaborated with cross-functional teams to ensure **UI/UX** designs were translated into high-quality, performant, and scalable code.
- Built and maintained a shared UI component library with **Figma, Storybook, MaterialUI, and TailwindCSS**.
- Mentored junior engineers, performed design/code reviews, and introduced best practices for frontend development.
- Pioneered deployment pipelines with **Vercel and NextJS** apps
- Improved deployment velocity and operational excellence through **CI/CD** integration, and supported continuous feature delivery with **Docker** and **AWS (S3, CloudFront, Route 53, Cognito)**.
- Built two level comprehensive test suite with **React Testing Library (RTL), Jest & MSW** and **E2Es** with **Playwright**

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.

- Designed and developed the solutions using **ReactJS, Redux, HTML 5, CSS 3, SASS**.
- Used **Django REST API** to support auth & search services on e-commerce from a frontend perspective.
- Architecture design & implementation of API services and front-end applications for the search & browse e-commerce platform, with **NodeJS, ExpressJS, GraphQL, MongoDB, and Mongoose**
- Developed and consumed a **micro-frontend** series of packages that contributed to e-commerce.
- Leveraged AWS cloud services, **AWS Lambda, CloudFront, Route53 & RDS (SQL PostgreSQL)**
- Maintained and built multiple **CICD** pipelines and **Docker** images.
- Part of the team that created the web app for Print on Demand. *Print on Demand is the market lead product for online copies and flyers printing in the USA.*

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