

# 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 technologies including **\*\*NodeJS, Express, Microsoft .NET (APIs), 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, <b>**Microsoft .NET (APIs)**</b> , OpenSearch, Foundation,
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 **.Net, 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