

Bob Dempsey

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full stack software engineer and team lead with 10+ years of experience building performant, serverless web applications using Vue/Nuxt, Node/Express, AWS, and Docker. Skilled at translating complex technical concepts for non-technical stakeholders and delivering end-to-end solutions that drive measurable results.

TECHNICAL SKILLS

Frontend: JavaScript/TypeScript, Vue, Nuxt, React, Next.js, Astro, SvelteKit

Backend: Node.js, Express, Firebase, REST APIs, SQL

Cloud & DevOps: AWS Lambda, Step Functions, S3, Docker, Vercel, Digital Ocean, Render, CI/CD

UI & Tools: Tailwind CSS, Vuetify, Material UI, Bootstrap, Headless UI, Git, GitHub Actions/Copilot

Automation & APIs: Webscraping, PDF Generation, Data Visualization, CRON, Twilio, OpenAI, Stripe

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer & Team Lead

JAN 2022 - Current

Quick Health - Sinking Spring, PA

- Converted existing legacy CRM software to Vue 3 composition/script setup, TypeScript, Vuetify 3, Pinia, Axios, Node/Express, and Vite/Vitest
- Coached, mentored, and managed a team of 3 other software engineers in a highly agile and dynamic environment
- Interfaced w/mgmt. and vendors to negotiate pricing, process improve, delegate tasks, establish workflows, maintain deadlines, and track team sprints and KPIs
- Managed all phases of software development and continually pushed projects to the finish line
- Designed and built full stack, real time, 2 way SMS and email marketing platform using the Twilio, SendGrid, and MailChimp APIs, Open AI completions API, Vue 3, Vuetify 3, Node/Express, Firebase/Cloud Firestore, and Docker
- Designed and built full stack, real time business insights, reporting, analytics dashboard using Vue 3, Nuxt 3, Tailwind CSS, Headless UI, Chart JS, and Docker
- Built custom API endpoints for existing legacy software using Node/Express, SQL, Cloud Firestore, Puppeteer, AWS Lambda, and Docker
- Built custom server side webscraper and PDF generator using Node/Express, Puppeteer, Docker, and Render
- Updated and deployed existing back end web applications using Node/Express, Docker, and Render
- Translated Adobe XD designs into prototypes and finished products
- Added CI/CD, staging, and dev environments to all web applications using Github, Vercel, Docker, and Render

- Built custom business related automations and reports using SQL, Node/Express, AWS Event Bridge, API Gateway, Step Functions, and Lambda
- Implemented Open AI completions API to generate unique SMS marketing content, resulting in a 2x Twilio SMS marketing response rate increase
- Introduced and managed Google Apps for Work to manage team access and centralize sensitive business data

Full Stack Software Engineer

JUL 2015 - JAN 2022

Silent Auction Vacations - Orlando, FL

- Engineered and developed static and highly performant company and partner websites endpoints using Vue, Nuxt, Vuetify, Gridsome, Firebase, TailwindCSS, Node, Express, AWS, and REST APIs
- Developed and integrated comprehensive email marketing, user behavior tracking, and analytics using ActiveCampaign, Hotjar, and Tawk.to, resulting in a 2x increase in email/digital marketing sales
- Engineered and developed full stack internal and external facing service portals using Vue, Firebase Vuetify, Node/Express, AWS Step Functions, and Lambda
- Automated webscraping and ETL of 100k daily records with AWS Event Bridge, Step Functions, API Gateway, Lambda, Node/Express, and REST APIs
- Automated dynamic PDF generation with Firebase Storage, Node/Express, Puppeteer, AWS Lambda, and API Gateway
- Deployed and maintained cloud hosting infrastructure on AWS Route 53, CloudFront CDN, S3, and Digital Ocean Ubuntu VPS, Nginx, and PM2
- Interfaced w/ ownership to reduce human error and labor costs by developing cloud based ETL and report automations using AWS Event Bridge, Step Functions, Lambda, and Node/Express
- Took ownership and led development on all relevant digital products and properties, evaluated ongoing development efforts, and actively process improved all phases of company software development
- Introduced and managed Google Apps for Work to manage team access and centralize sensitive business data

Front End Web Developer

JUN 2013 - JUN 2015

My Real Estate System

- 3x reduction time in new client onboarding and website MVPs after process improving and converting to templates
- Built and maintained client websites using Bootstrap, Materialize CSS, Firebase, REST APIs, Node/Express, and WordPress
- Translated UI/UX design wireframes into code using Balsamiq
- Introduced tools like ManageWP, CPanel, WHM, and Zapier to drastically improve client onboarding and lead lifecycle management
- Integrated REST endpoints using Axios, Node/Express
- Interfaced w/management, design, and development teams to continually process improve, automate, and limit human error

EDUCATION & CERTIFICATIONS

Certificate: Full Stack Web Development - University of Central Florida - Orlando, FL, 2017

Associate of Arts: Social Sciences - Valencia College - Orlando, FL, 2016