

# Bob Dempsey

Full Stack Software Engineer & Team Lead

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## PROFESSIONAL SUMMARY

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Full stack software engineer and team lead with 10+ years building performant, serverless web applications in Vue/Nuxt, Node/Express, and AWS. Led a team of engineers through a full legacy CRM modernization and shipped an AI-driven SMS marketing platform that doubled campaign response rates. Skilled at translating complex technical concepts for non-technical stakeholders and owning solutions end-to-end.

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, SQL

**Frontend:** Vue, Nuxt, Tailwind CSS, Vuetify

**Backend:** Node.js, Express, REST APIs, EDI (X12)

**Databases:** PostgreSQL, MongoDB, Cloud Firestore

**Cloud & DevOps:** AWS (Lambda, ECS/Fargate, Step Functions, EventBridge, SQS, API Gateway, S3, CloudFront), AWS CDK, Docker, CI/CD

**Testing:** Vitest, Jest

**Tools & Platforms:** Git, GitHub Actions

**AI, APIs & Automation:** Claude Code, OpenAI API, Puppeteer

## PROFESSIONAL EXPERIENCE

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### Senior Software Engineer

Oct 2024 – Present

DrayNow, Inc. (ModalView) - Conshohocken, PA

- Built and enhanced the logistics marketplace web application's user interface, delivering user-facing order and trip management features across the full stack
- Integrated interactive mapping and geolocation into the marketplace UI to give users real-time shipment visibility
- Implemented authentication and role-based access across the marketplace web app and its APIs using a third-party identity provider
- Architected bidirectional EDI (X12) integrations connecting the marketplace to external trading partners through third-party EDI platforms, automating high-volume business-to-business transaction workflows
- Built and deployed event-driven microservices on AWS (Lambda, ECS/Fargate, SQS/DLQ, EventBridge, Step Functions, Parameter Store) across multiple accounts using infrastructure-as-code (AWS CDK, Serverless Framework)

### Full Stack Software Engineer & Team Lead

Jan 2022 – Sep 2024

Quick Health - Sinking Spring, PA

- Led modernization of a legacy CRM to Vue 3 (Composition API), TypeScript, Vuetify 3, Pinia, and Vite/Vitest, while coaching and managing a team of 3 engineers in an agile environment
- Architected and shipped a real-time, two-way SMS and email marketing platform using Twilio, SendGrid, the OpenAI completions API, Vue 3, Node/Express, and Cloud Firestore
- Increased Twilio SMS marketing response rates 2x by integrating the OpenAI completions API to generate unique, targeted campaign content
- Designed a real-time business insights and analytics dashboard with Nuxt 3, Tailwind CSS, Chart.js, and Docker, giving management live visibility into KPIs

- Automated server-side web scraping, PDF generation, and reporting pipelines with Node/Express, Puppeteer, AWS Step Functions, EventBridge, Lambda, and SQL

## **Full Stack Software Engineer**

*Jul 2015 – Jan 2022*

*Silent Auction Vacations - Orlando, FL*

- Engineered high-performance company and partner sites with Vue, Nuxt, Gridsome, Vuetify, Tailwind CSS, Firebase, and Node/Express
- Increased email and digital marketing sales 2x by building integrated marketing, user-behavior tracking, and analytics with ActiveCampaign, Hotjar, and Tawk.to
- Automated web scraping and ETL of 100K+ daily records using AWS EventBridge, Step Functions, API Gateway, Lambda, and Node/Express, reducing manual effort and human error
- Built full stack internal and external service portals with Vue, Firebase, Vuetify, and AWS Step Functions/Lambda
- Deployed and maintained cloud infrastructure across AWS (Route 53, CloudFront, S3) and Digital Ocean (Ubuntu VPS, Nginx, PM2)

## **Front End Web Developer**

*Jun 2013 – Jun 2015*

*My Real Estate System*

- Reduced new-client onboarding and website MVP turnaround 3x by standardizing reusable templates and introducing tooling (ManageWP, cPanel/WHM, Zapier)
- Built and maintained client websites with Bootstrap, Materialize CSS, Firebase, WordPress, and Node/Express REST integrations
- Translated UI/UX wireframes into production code and automated lead-lifecycle workflows to limit manual error

## **PROJECTS**

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**Claude Code Engineering Platform** — Self-maintaining personal engineering platform automating a Jira/EDI ticket workflow end-to-end (research, worktree scaffold, dev-test, PR/release). Built with Node.js, Bash, and Claude Code. ~44 slash commands, 12 concurrency-safe hook scripts, 2 subagents, and a ~200-file structured knowledge base, using lock-based concurrency and an auto-updating usage/metadata loop.

## **EDUCATION & CERTIFICATIONS**

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

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