

IAN DEMPSEY

SOFTWARE ENGINEER

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Full-stack software engineer and solutions architect with 10+ years of experience building enterprise-scale web and IoT platforms for millions of users. Played a pivotal role in growing an energy sustainability startup from early-stage to global expansion and through the acquisition and integration by Europe's leading energy distributor. Expertise in microservices, front-end frameworks, and performance optimization, with a proven track record of leading agile teams to design and deliver robustly architected applications.

EXPERIENCE

Enel X – Software Engineer

2017 – 2024 | Seattle, WA

I followed EnerNOC through the acquisition by The Enel Group (Europe's leading energy distributor) in 2017. My role expanded to facilitate the scaling of our energy analytics platform to service an even larger international clientele, comprising millions of users and hundreds of thousands of industrial and retail sites.

- Delivered web applications and backing microservices for real-time IoT-fed energy demand pipeline.
- Was hands-on in every part of the process: requirements gathering, wireframing, designing data flow, project planning, web app development, CI/CD deployment, unit/integration testing, UX field testing, and strict SLA compliance.
- Led teams through numerous application initiatives alongside project management, led standups, conducted technical interviews, ran internal teaching seminars, and coached new developers.
- Created and managed the UI common components library used by 200+ developers across the organization.

Technologies: AWS, TypeScript, Angular, Node.js, Docker, CodeBuild, DynamoDB, Jest, Cypress, Git, Jira, Figma

EnerNOC – Software Engineer

2014 – 2017 | Boston, MA

EnerNOC was an energy intelligence & demand response startup that scaled into a publicly traded international company. As a Software Engineer with them through this massive growth process, I specialized in front-end development and UX design for a large suite of energy analytics tools on top of a real-time pipeline of energy demand data.

- Selected for the Rapid App Development team for quick-turnaround of needed functionality and next-gen prototyping.
- Developed and launched energy intelligence web applications from wireframe to deployment.
- Refactored legacy systems into modern web microservices.

Technologies: AWS, JavaScript, AngularJS, Node.js, Sails, Express, SASS, Docker, Terraform, Selenium, Jenkins, Sketch

Windstream – Junior Software Engineer

2013 - 2014 | Victor, NY

Windstream is a leading business ISP provider. In my role, I developed a native Android app for managing ISP plans, expanded the REST API to facilitate the application functionality, and developed business intelligence tools analyzing costs and data usage.

Technologies: Java, Android, C#, .NET, VB, CSS, CoffeeScript

SKILLS & TECHNOLOGIES

Node.js, Angular, React, Next.js, TypeScript, JavaScript, Webpack, CSS, SASS, HTML, WebGL, Jest, Cypress, Selenium, WebDriverIO
AWS, Azure, Terraform, DynamoDB, MongoDB, PostgreSQL, SQL | Java, C++, C#, Python, Ruby, PHP, R, Bash, Zsh
Docker, Kubernetes, Git, Jenkins, CodeBuild, GitHub Actions, Jira, Rally, Figma, Sketch, Adobe Suite

EDUCATION

B.S. in COMPUTER SCIENCE | Specialization: Artificial Intelligence

Capstone: *Diagnostic Neural Networks & Evolutionary Metaheuristics: Differential Evolution for Neural Network Optimization*
Presented at **GECCO 2014** in Vancouver, B.C.

B.S. in PHILOSOPHY | Specialization: Philosophy of Mind

Capstone: *Toward a Deleuzian Philosophy of Science*

Rochester Institute of Technology, Class of 2015