

# DAN GROLEAU

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## SOFTWARE ENGINEER

Full-stack software engineer with an extensive background in web development. Skilled in the development of microservices, model-view-controller applications, single-page applications, and REST APIs. Experienced in building and delivering high-quality software using continuous integration / continuous deployment and containerization. Army Veteran with experience driving large projects from concept to production, both on time and on budget.

### SKILLS

Software Engineering • Web Development • Continuous Integration • Continuous Deployment Frameworks (.NET Core, ExpressJS, NestJS, NextJS, Bootstrap) • Libraries (React/Redux, jQuery) Programming (C#, JavaScript, TypeScript, SQL, NodeJS, PHP, PowerShell, Bash, SASS/SCSS/CSS, HTML5) DevOps (AWS, GitLab, Team City, Octopus, Azure) • Containerization (Docker, Kubernetes) • Microservices Architecture Relational Databases (SQL Server/MSSQL, MySQL, PostgreSQL) • Document Databases (NoSQL/MongoDB) Object-Oriented (OOP) & Functional Programming • Test-Driven Development (TDD) • Automation & Integration Model-View-Controller (MVC) • Single-Page-Application (SPA) • Extract, Transform & Load Processes (ETL) User Interface/User Experience (UI/UX) • Graphical Tools (Adobe Photoshop, Figma) • Responsive Web Design Representational State Transfer Application Programming Interface (REST API) • Authorization/Authentication Project Management (Agile/Scrum, Kanban, Waterfall) • Operating Systems (Linux, Unix, Windows) • Google APIs

### EXPERIENCE

#### SOFTWARE DEVELOPER | *Tivity Health*

2021 – Present

- Serves as full-stack software developer, engineering solutions that support critical enterprise-level clients. Technical lead and sole front-end engineer for rebuild of both critical application and flagship website.
  - Promoted to mid-level developer and hired as a full-time employee within first eight months after starting as junior contractor through Vincent Benjamin Recruiting.
  - Architected microservice health-monitoring application, supporting over 600 employees and 30 applications across 4 environments; Enabled real-time notification of unplanned application and server downtime.
  - Exponentially improved asymptotic runtime of search feature from  $O(n^2)$  to  $O(n)$ ; Doubled performance rating and improved SEO and Accessibility scores by 30% for application and website.

#### ASSET SPECIALIST II | *Arrow Electronics*

2020 – 2021

- Built supply chain analytics dashboards providing real-time tracking of product in transit.
- Constructed internal purchasing applications as a complement to Oracle purchasing software.
  - Improved on-time delivery rates by 35% through optimized dashboard construction.
  - Improved purchase order and invoice processing speed from  $O(n^2)$  to  $O(1)$ .

#### SENIOR ANALYST | *United States Army*

2016 – 2020

- Developed analytical models and built presentations and reports for executive-level leadership.
  - Promoted to the rank of Captain and rated #1 of 26 peers; Graduate of the US Army Ranger School, Airborne School, Reconnaissance Course, and Basic Officer Leadership Course; Deployed to Kosovo as member of NATO.
  - Led teams of up to 90 employees in the collection and processing of logistics data and intelligence.

### EDUCATION

MBA, BUSINESS ANALYTICS | *Ohio University*

BA, POLITICAL SCIENCE | *University of New Hampshire*