

DAN GROLEAU

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SOFTWARE ENGINEER

Full-stack software engineer with an extensive background in web development. Leads the delivery of high-quality software using continuous integration / continuous deployment. Skilled in the development of microservices, multi and single-page applications, and REST APIs. 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, Spring, Laravel, ExpressJS, NestJS, NextJS, Bootstrap, Material UI) • Libraries (React, Redux, jQuery)
Programming (C#, JavaScript, TypeScript, SQL, NodeJS, Java, 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/NoSQL Databases (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 (OAuth)
Project Management (Agile/Scrum, Kanban, Waterfall) • Operating Systems (Linux, Unix, Windows) • Google APIs

EXPERIENCE

SENIOR 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 twice within first 18 months in role, starting at junior-level and progressing to senior developer.
 - Led delivery of two enterprise public-facing applications, starting from functional and technical design and discovery, and finishing with production deployment.
 - 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

- Constructed internal purchasing applications as a complement to Oracle purchasing software.
 - Improved on-time delivery rates by 35% through optimized dashboard construction and 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.
 - Led teams of up to 90 employees in the collection and processing of logistics data and intelligence. Promoted to the rank of Captain and rated #1 of 26 peers; Graduate of the US Army Ranger School.

EDUCATION

MBA, BUSINESS ANALYTICS | *Ohio University*

BA, POLITICAL SCIENCE | *University of New Hampshire*