Danielle Andrews

Software Engineer / U.S. Marine Corps Veteran

(770) 355-1281
danielle.andrews.dev@icloud.com
danielle-andrews.devdecks.com
github.com/DrAcula27
linkedin.com/in/daniellerandrews

SUMMARY

Software engineer with 4+ years of experience in end-to-end full-stack development across startups, mid-sized companies, and open-source projects with a background in mechanical engineering (9+ years) and leadership (6+ years), both in the military and as an engineer.

EXPERIENCE

Software Engineer at Hack For LA APRIL 2024 – PRESENT

- Refactored GHA workflows using YAML and GraphQL for the website team when the organization migrated from GitHub Projects (classic) to the new Projects, improving workflow efficiency by 30%.
- Updated technical documentation to improve clarity, reducing confusion for new contributors, leading to a 10% reduction in mistakes on Good First Issues and a 5% higher retention rate in new contributors.
- Improved accessibility for the 311-data project by implementing zoom controls for the map that comply with WCAG standards.

Software Engineer at Playpod JUNE 2023 – SEPTEMBER 2023

- Architected the language globalization feature, resulting in a 95% increase in the product's user base.
- Enhanced app functionality by implementing robust error handling, introducing a cache of profile photos for user selection, and incorporating breadcrumbs for seamless navigation, reducing user drop-off rates by 40%.

Software Engineer at Danielle's Consulting JUNE 2020 – PRESENT

- Defined statements of work for a diverse client base that ranges from small to mid-size companies, serving customers and agencies statewide.
- Developed comprehensive end-to-end solutions for client websites, ranging from static to dynamic sites, focusing on accessibility for a wide range of users.
- Guided clients through the entire development process, troubleshot existing site issues, and provided ongoing support as business needs evolved.
- Recent client examples:
  - Tahuya River Valley Water District
  - The Bridge Workforce Training and Development, LLC
- Other projects:
  - Cooler Than You HVAC, My Cook Book Recipe Saver, Hood Canal Stargazers APOD, SpaceBattle!, MyDash Extension, and many more.

Engineering Manager at A&E Conveyor Systems APRIL 2019 – JUNE 2020

- Created and maintained an engineering schedule, resulting in 20% faster project completion.
- Lead engineering projects, using Autodesk Suite, from sales hand-off, through project completion, to customer support.
- Oversaw in-house product fabrication and assembly.
- Managed the mechanical engineering team, while coordinating with internal departments, vendors, and customers, resulting in 95% on-time and in-budget project completion rate.

SKILLS

Programming Languages
HTML, CSS, JavaScript, YAML, GraphQL, Markdown

Libraries & Frameworks
Bootstrap, Tailwind CSS, MUI, React, jQuery

Tools & Platforms
MongoDB, AWS S3, PostgreSQL, Node.js, Express.js, Postman, Git, GitHub, Vercel, Render, GoDaddy, VSCode, VirtualBox, JIRA

Design
Canva, Figma, Gimp, Adobe Express

Mechanical Engineering
Autodesk Suite, SolidWorks, Tekla Structures, LaTeX

EDUCATION

B. S. Mechanical Engineering
Kennesaw State University
- Honors: Magna Cum Laude, Global Engagement Certification
- Relevant Course: Programming for Engineers (C++)

MILITARY

USMC Veteran
Helicopter Mechanic | Sergeant (E5)

VOLUNTEERING

SciPy Conference 2024
Tacoma, WA

Hood Canal Salmon Enhancement Group
Field Research & Stewardship

INTERESTS

Smart house: home server, pi-hole ad-sink, home assistant; 3D printing; Discworld; Skyrim