


Diane Larsen

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 <https://github.com/DianeLarsen>

Summary

Full Stack Developer with hands-on experience building scalable, user-focused applications using JavaScript, TypeScript, React, and PostgreSQL. Skilled in developing REST APIs, configuring CI/CD workflows, and deploying full-stack projects. Strong foundation in debugging, team collaboration, and performance optimization, with a passion for clean, maintainable code. Known for blending real-world engineering experience with a deep commitment to continuous learning and inclusive, mission-driven work.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, HTML/CSS
 - **Frameworks & Libraries:** React, Next.js, Node.js, Tailwind CSS, Express
 - **Back-End & Tools:** REST APIs, Prisma ORM, PostgreSQL, Git/GitHub
 - **DevOps & Infra:** Docker, NGINX (familiar), Vercel, Heroku, CI/CD pipelines
 - **Testing/Monitoring:** Jest, logging & automation tools
 - **Concepts:** Accessibility (a11y), UX Collaboration, Secure Coding Practices
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Projects

Community Garden Management System

https://github.com/DianeLarsen/community_garden_management

- Designed a full-stack web app for reserving garden plots and managing local events.
- Integrated PostgreSQL with Google Maps API and built secure user authentication.
- Configured CI/CD deployment using Heroku and GitHub for real-time updates.

Haven's Heroes (Social Platform)

<https://github.com/DianeLarsen/havens-heroes>

- Developed a secure social networking site using Next.js, Prisma, Supabase, and Clerk.
- Built real-time chat features with WebSockets and managed complex state with React.
- Focused on scalable architecture and clean component design.

Woods Creek View (Community Website)

<https://github.com/DianeLarsen/woodscreekview>

- Created a React-based platform for community updates and events.
- Implemented mobile-first design with accessibility best practices.
- Used Netlify for automated deployments and version control.

Professional Experience

Senior Engineering Technician

Stryker – Mar 2023 to Present

- Lead troubleshooting efforts on electromechanical systems used in life-saving medical devices.
- Collaborate with engineers to validate prototypes, automate test scripts, and optimize performance.
- Document workflows, mentor junior technicians, and contribute to system-level debugging.

Electrical Engineering Technician

Stryker – Apr 2021 to Apr 2023

- Built and tested electrical assemblies and updated embedded software in a lab setting.
- Assisted with root cause analysis and technical defect resolution.
- Supported Agile development by working closely with cross-functional teams.

Troubleshooting Technician

Stryker – Sep 2016 to Mar 2021

- Diagnosed and repaired electronic components and subassemblies.
 - Interfaced with engineering to resolve persistent system issues and document resolutions.
 - Provided floor-level technical support and aligned repair efforts with production goals.
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Education

Bachelor of Science in Computer Science

Trident University International — July 2024

- Built and deployed full-stack projects with JavaScript, React, and Python
- Coursework included systems programming (C, R, Go), data structures, and algorithms

Web Development Certificate

V School — June 2023

- Focused on full-stack JavaScript with React, Node.js, Express, and MongoDB
- Emphasis on collaborative development, REST API design, and Agile workflows

Associate of Science in Electrical Engineering Technology

ITT Technical Institute — July 2016 (Highest Honors)

- Hands-on training in circuit design, testing, and documentation