PAUL VAN DYKE

FULL STACK SOFTWARE ENGINEER

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PROFESSIONAL EXPERIENCE

Software Engineer, Innerspace Healthcare   **October 2022-October 2025**

- Developed a SvelteKit/TypeScript cloud endoscopy and security suite documenting IoT locks and cabinets via AWS Lambda, DynamoDB, S3, SQS, SNS, and AWS IoT https://www.innerspace.cloud/demo
- Migrated PostgreSQL (Amazon RDS) database to AWS DynamoDB, reducing AWS operational costs by over $300/month and delivering consistent, single-digit millisecond latency for read and write operations
- Leveraged Vite to build and optimize applications for AWS Lambda serverless deployments
- Refactored legacy Vue.js and Python Flask cloud suite into a modern, serverless architecture
- Integrated Generative and Agentic AI into the Software Development Life Cycle (SDLC) Cursor, GitHub Copilot
- Provisioned cloud infrastructure with Terraform (HCL)
- Implemented comprehensive unit testing with Vitest and Jest
- Engineered custom React Cards that extended HubSpot functionality and improved CRM workflows
- Automated CI/CD pipelines with GitHub Actions
- Styled responsive and mobile-friendly UI layouts with Tailwind CSS

Software Engineer, Equivant   **November 2019-September 2022**

- Developed and maintained a legacy ASP.NET (C#) single-page application with over 400 pages in an Agile/Scrum environment, collaborating closely with QA and DevOps
- Engineered and supported 700+ Selenium WebDriver integration tests
- Led team meetings on automation goals and stragtey
- Automated security vulnerability and code quality scans with SonarQube
- Integrated RESTful Google Sheets API with Node.js scripts for automated test reporting
- commited, merged and reviwed code with Azure Repos

Software Developer, Healthbridge   **August 2018-September 2019**

- Developed and debugged React & Redux front-end in ES6, with Babel and Webpack for a financial SaaS product focused on HSA overdraft protection
- Engineered Cypress integration tests, increasing code coverage by 40%
- Designed k6 capacity tests to ensure scalability under high load
- Automated QA tasks with Robot Framework End-to-End tests
- Collaborated with the UI/UX teams via Invision
- Customized SCSS styling to integrate with third-party libraries
- Connected front end React components to a Java Spring Boot REST API

Security Operations Analyst, Calvary Solutions   **July 2017-July 2018**

- Supported incident response workflows and documentation in compliance with NERC CIP standards
- Provided Tier 1 security monitoring and network latency investigations for 80+ power plants

Software Developer, Galvanize   **January 2017-July 2017**

- Built client side Web Application with JavaScript,HTML,CSS, and jQuery
- Deployed RESTful API's with Node, Express, PostgreSQL, and MongoDB to Heroku

Non-Comissioned Officer, Marine Corps   **January 2011-January 2015**

- Attianed Secret clearance, Awared Meritorious Mast, Mentored junior Marines

IN THE NEWS

- **Record Eagle: TC Native Turns Gamble Into Software Developer Position**
- **The Washington Times: Michigan Man Gets Job Through Tech Incubator**