

Kevin Quoc Tan Lam | Software Engineer

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Software Engineer skilled in full-stack web development with a foundation in mechanical engineering. Energized when using creativity and technical judgement to solve problems.

TECHNICAL SKILLS

Programming Languages: Javascript, Typescript, HTML, CSS, Sass, Rust

Database & Backend: Nodejs, Postgresql, Prisma, Insomnia, Postbird, Sequelize

Frameworks & Libraries: React, Nextjs, Bulma, Tailwind, Express, Redux, Cheerio, jQuery

Tools, Platforms & Misc: Git, Github, Vercel, Figma, Firebase, OpenAI, Render

TECHNICAL PROJECTS

Quality Chords – Fullstack guitar chord database | [Project Link](#) - [Write up](#)

- Tool to learn guitar chords by the movable chord quality shape approach.
- Features: all admin data operations via RESTful API, renders chord data as SVG diagrams.
- Has been used to help students in my freelance work teaching guitar lessons.

Bowlerator – Business landing page | [Project Link](#) - [Write up](#)

- Brochure type landing page to emphasize taking action for a food bowl generator app.
- Features: Product story UX emphasis, designed from wireframed layout
- Prototype for freelance work of building a landing page for a nail salon.

Worm's Eye View – Fullstack plant suggestion algorithm | [Project Link](#)

- Garden planning plant recommendation algorithm based on user time of year and location.
- Lead daily stand-ups and managed code integration on a team of four.
- Developed plant suggestion algorithm and implemented interactive visual garden plot.

EXPERIENCE

21 Acres - Woodinville, WA

7/2022 - 3/2023

Utility Energy Analyst, contract

- Analyzed utility energy data identifying energy savings via eGauge platform.
- Created automated notification system for monitoring peak energy demand charges.
- Managed local utility, energy star, LEED arc skor data platforms.

BOEING - Everett, WA

2013-2021

Program Manager, Structural Analysis Engineer (2016-2021)

Structural Analysis Engineer (2013-2016)

- Program manager of interdisciplinary 5+ person team for Landing Gear Drop Test program supporting airplane certification with on time test report delivery.
- Responsible for writing test plan, resolving technical concerns, on-site test support, communicating with external clients, and certification deliverables.
- Independently managed rapid development of mechanism from early concept to production.
- Responsible for structural analysis, design integration, engineering drawing review, and thousand-page analysis documentation.

EDUCATION

Fullstack Academy | *Software Engineering Certificate* – 550 hours | 08/22 - 12/22

University of Hawaii, Manoa | *B.S. Mechanical Engineering* | Grad 2013