

# Lee Pham

Bellevue, WA • leenpham@gmail.com • [linkedin.com/in/lee-n-pham](https://www.linkedin.com/in/lee-n-pham) • [github.com/LeeNPham](https://github.com/LeeNPham)

## OBJECTIVE

Senior Software Engineer with extensive full-stack experience in designing, developing, and deploying scalable applications. Proficient in front-end and back-end technologies, cloud infrastructure, and CI/CD pipelines, with a proven track record of leading teams and optimizing system performance. Seeking a Senior Software Engineering role to drive impactful solutions in fast-paced environments.

## EDUCATION

**Advanced Full-Stack Software Engineering Certificate,** *Hack Reactor*

**B.A. Business Administration,** *University of Arizona*

## TECHNICAL SKILLS

**Languages** | JavaScript, TypeScript, Python, SQL, HTML, CSS, Tailwind CSS, SCSS

**Front-End** | Node.js, React, Svelte, SvelteKit, Bootstrap, Flowbite, M3 (Material UI), Shadow & Virtual DOM manipulation

**Back-End** | FastAPI, Flask, Django, OpenSSL, MongoDB, Firebase, PostgreSQL, RabbitMQ, WebSockets, RESTful APIs, Elasticsearch

**Cloud Platforms** | Amazon Web Services - AWS (S3, EC2), Google Cloud Platform - GCP (GCE, GCS)

**Testing/Deployment** | Docker, Playwright, Vite, CI/CD, Unit/E2E Testing, DataDog SLI/SLOs, Render, and Vercel

**Tools** | Git, Jira, Dev tools, VS Code, Cursor, Insomnia, Postman, Selenium

**AI/ML Technologies** | Model training, voice cloning, algorithm optimization, data accuracy improvement

**Methodologies** | Agile workflow, API integration, Object Oriented Programming, Domain Driven Design, System Oriented Design

## WORK EXPERIENCE

**Sr. Full-Stack Software Engineer.** Currents.Market December 2024-Present

- **Modernized Legacy Systems:** Spearheaded a complete re-architecture of a complex legacy platform within 2 months, introducing a modern, component-driven front-end (leveraging React and Svelte) that cut build times by 40% and significantly improved code maintainability.
- **Strategic Framework Migration:** Directed a full-stack framework migration by prioritizing critical modules and orchestrating systematic code refactoring, reducing overall technical debt by 70% while ensuring seamless integration across the tech stack (Node.js, TypeScript, and FastAPI).
- **Enhanced Quality & Reliability:** Implemented a rigorous testing suite—including unit, integration, and end-to-end tests using Vite and Playwright—that decreased production issues by 35% and bolstered developer confidence in deployments.
- **CI/CD Pipeline Optimization:** Designed and deployed a robust CI/CD pipeline utilizing Vercel, Docker and GitHub Actions, which accelerated deployment frequency by 50% and minimized release errors through automated testing and staging environments.
- **Cloud Infrastructure Efficiency:** Optimized GCP resources (Cloud Functions, Datastore, Storage, and Auth) to enhance scalability by 30% and reduce operational costs by 95%, ensuring a resilient and cost-effective cloud environment.
- **Proactive Monitoring & Issue Resolution:** Integrated real-time monitoring and alerting with DataDog, reducing mean time to resolution by 50% and improving overall system reliability through proactive performance tracking.
- **Collaborative Leadership & Mentorship:** Partnered with cross-functional teams to refine product requirements and drive impactful feature delivery—resulting in a 150% boost in application performance—while mentoring junior engineers on agile best practices and advanced testing methodologies.

**Full-Stack Software Engineer.** Stealth Startups March 2024-November 2024

- **Medical Clinic Process Efficiency:** Developed an automated PDF filler using Node.js and JavaScript to streamline the patient intake process for a medical clinic, reducing client intake time by 80%.
- **Secure Search Engine:** Implemented a fuzzy search with additional filters for scraped data using Next.js, Elasticsearch, and JavaScript, enhancing the precision of search results. Developed a stealth-mode startup prototype for a search engine focused on investment opportunities for both tangible goods and equity-related startups, leveraging React for the frontend and Express.js for the backend, with MongoDB as the database.
- **Image Management System:** Developed image generator utilizing Kumoricon's backend for special guests using Numpy, CV2, TKinter, and PIL in Python.
- **Travel Planner Startup:** Created a regional selector to group POI for travelers touring a new city using Mapbox and Leaflet APIs in TypeScript.

**Full-Stack Software Engineer. WaahChao Inc.**

August 2023-February 2024

- Successfully led a team of 4 engineers in the end-to-end design, development, documentation, testing, and deployment of an advanced multi-vendor eCommerce platform for retail businesses using Svelte, SvelteKit, PostgreSQL, Node.js, Docker, and Google Cloud Platform (GCP). Leveraged GCP for hosting, scaling, and managing cloud infrastructure, ensuring seamless integration between front-end and back-end services and delivering a high-performance platform.
- Implemented Svelte and SvelteKit for a scalable front-end architecture, leveraging Tailwind CSS for responsive design. Boosted load speed by 30% through optimized JavaScript and server-side rendering (SSR), and improved accessibility by 25% using ARIA standards and WCAG 2.1 compliance.
- Led detailed code reviews using GitHub, conducted paired programming sessions with VS Code Live Share, and enforced best practices via ESLint and Prettier. Improved code quality by 20% and reduced bugs in production by 15% through regular unit testing with Jest, Vite, and Playwright.

**Full-Stack Software Engineer. Friends of Green Loop, LLC**

July 2023-December 2023

- Architected end-to-end design, development, and deployment of a dynamic multi-vendor e-commerce progressive web app using the MERN stack (MongoDB, Express.js, React, Node.js), providing seamless functionality for users and vendors.
- Utilized a microservices architecture with Node.js and Express to optimize scalability and modularize services, reducing server response time by 40% through efficient API gateway implementation and load balancing with Nginx.
- Implemented robust SquareAPI integrations with various vendors for inventory management and order fulfillment using React for the front-end interface and MongoDB for database interactions. This streamlined processes, leading to a 20% reduction in order processing time and improving overall operational efficiency.

**Full-Stack Software Engineer. TOZ Inc**

January 2023-July 2023

- Collaborated within a team of 9 developers to develop and deliver the company's primary product, TOZ Flow, using React, Node.js, and MongoDB, ensuring scalability and reliability for end users.
- Performed rigorous testing procedures including unit, end-to-end, and integration testing using Jest, Playwright, and Vite, ensuring the platform's stability across multiple environments and devices.
- Quickly mastered two new frameworks in a day, adapting to the CTO's technology direction for the company's primary product by integrating Next.js and Nest.js, demonstrating adaptability and fast learning.
- Conducted in-depth code reviews and paired programming across two engineering teams using GitHub and VS Code, ensuring adherence to best practices for thousands of lines of JavaScript code, maintaining high code quality throughout the project lifecycle.
- Utilized Jenkins for CI/CD pipelines to automate testing, integration, and deployment processes, improving code deployment efficiency and reducing time-to-production by 25%.
- Worked on an additional project focused on capturing biometrics for athletes, using Angular to build dynamic data visualizations that provided real-time analytics on athlete performance metrics. Leveraged D3.js to create interactive graphs and visual reports, enhancing user insights.

**Software Engineering Mentor. Galvanize Software Camp**

2022-2023

- Mentored software engineering bootcamp graduates through multiple 12-week terms, providing hands-on guidance and personalized feedback on end-to-end software development processes, including CI/CD pipelines, testing, and deployment strategies.
- Led workshops and one-on-one sessions on setting up automated CI/CD pipelines using tools like Jenkins and GitHub Actions, guiding students through the automation of builds, testing, and deployment.
- Provided mentorship on backend frameworks such as Express.js and FastAPI, including API design, RESTful services, and database integration using MongoDB and PostgreSQL.
- Taught frontend development across multiple frameworks, including React, Vue, and Svelte, with additional experience in Django for full-stack applications.
- Delivered detailed lessons on algorithms and data structures, focusing on optimizing performance and understanding time and space complexity for real-world applications.
- Enhanced mentees' proficiency in testing methodologies by teaching unit testing and integration testing with tools like Jest, Playwright, and Selenium to ensure code quality and robustness.

**Client Care Specialist II. TASC**

2021-2022

- Managed and resolved over 1,500 client tickets monthly—23% above the company average—demonstrating strong problem-solving skills, attention to detail, and the ability to handle high-volume workloads efficiently within TASC's enterprise system for insurance, medical, and tax-related accounts.
- Optimized client issue resolution processes by identifying common problems and recommending system improvements, contributing to a reduction in ticket turnaround time and increased client satisfaction.
- Led the implementation of new regulations (ARPA, COBRA subsidies, and tax credits), training 15 employees and ensuring smooth adoption of new policies, showcasing leadership, technical understanding of compliance, and the ability to convey complex information to teams.
- Collaborate cross-functionally with internal teams to troubleshoot complex issues, gaining experience in breaking down and

solving problems methodically—skills easily transferable to debugging and resolving software-related issues in engineering environments.

- Developed and documented internal training materials, ensuring consistency in policy updates and improving the onboarding process for new hires, which mirrors software documentation and system architecture practices.

**Systems Monitor. Microsoft**

2018-2019

- Monitored security vulnerabilities and incidents across 600+ Microsoft sites using Lenel, Milestone, and Everbridge software, applying strong analytical skills and attention to detail to ensure the integrity and safety of critical systems.
- Analyzed and communicated 2,000+ security events weekly to key stakeholders, delivering clear and actionable reports that enabled swift decision-making and responses to potential threats, showcasing strong communication and collaboration skills.
- Provided real-time support from the Virtual Security Operations Center (VSOC) Fusion Center, updating and implementing security protocols for 600+ global client sites, demonstrating the ability to manage critical systems in real-time, analogous to maintaining uptime and incident response in software environments.
- Collaborated with global security teams to troubleshoot and mitigate risks, honing skills in team coordination, escalation procedures, and stakeholder management—skills crucial for addressing issues in fast-paced engineering or operational environments.
- Contributed to continuous security improvements, identifying areas for enhancing protocols and system reliability, similar to iterating on software products to improve performance and security.

**Settlement Automation Specialist. Concentrix**

2016-2017

- Developed a Python script to automate form filling and asset quality analysis for vehicle intake, reducing manual labor from 40 hours per week to just 3.5 hours per week, showcasing strong automation skills and process optimization.

**Game Modding Developer. Freelance**

2016

- Created AutoHotkey scripts to automate processes and improve user experience in various video games, including writing tutorials on how to remove and use third-party assets, demonstrating the ability to quickly learn and apply automation and game modding techniques.

**E-Commerce Developer. Freelance**

2011-2015

- Developed multiple Shopify and custom web applications for small businesses to manage inventory and process sales, working with basic coding in HTML, CSS, and JavaScript to create tailored solutions for online stores.

**Web Developer. Freelance**

2008-2010

- Created and updated custom MySpace pages for local accounts using HTML and CSS, designing custom layouts and embedding interactive elements, gaining early experience in front-end development and web design.