



# Alexander Elias

## Full Stack Software Engineer

Seasoned senior software engineer with 12 years designing, developing, and delivering high-quality full stack applications, services, and tools. Expertise with **TypeScript, JavaScript, Deno, Node, HTML, CSS** and experienced with **React, Python, Generative AI and LLMs**. Small business co-founder, code reviews/audits, team lead, and mentor. Proponent and contributor to open-source. Passion for crafting beautiful code, not just beautiful interfaces.

## Experience

### **Full Stack Software Engineer** [Portland General Electric](#) 2024-Present

Lead teams and implemented front end systems for Generative AI projects. Built efficient and reusable user interface components. Identified and fixed multiple front end and back end security vulnerabilities: Cross-Site Scripting (XSS) injections, out of date packages, unprotected REST APIs, and insecure file upload practices. Implemented new design systems and best practices. Rewrote automated build tool processes improving deployment speed and fixing bugs and removing complexity. Created efficient reusable LLM prompts removing third party packages, decreasing deployment time by ~2x, and decreasing image OCR into structured data processing time by ~9x.

### **Lead Full-Stack Software Engineer** [Pennant](#) 2021-2024

Architected and developed an enterprise dashboard with fully customizable persona based portals, data visualization, and custom seamless SSO system. Built micro apps using REST APIs including WelcomeHome, Sendgrid, Tableau, Snowflake, and Microsoft Graph. Lead and developed a HIPAA compliant medical Quality Assurance and Compliance application that provides advanced customizable questionnaire, and analytics system that enhanced patient safety and regulatory compliance.

### **Lead Full-Stack Software Engineer & Co-Founder** [Arc IO](#) 2015-2021

Co-founded a small company and designed and developed a plethora of full stack progressive web applications and websites for businesses all over the US. Managed team members and multiple different projects simultaneously. Performed code quality audits and reviews. Translated client visions into real world applications. Created a suit of open source frameworks and tools used in production for the front end and back end.

### **Lead Support Developer** [Automatit](#) 2013-2015

Developed interactive responsive self storage web apps from product designers. Maintained client relations and developed features for resort client websites. Performed code reviews and team mentorship. Code performance optimizations, testing, and bug fixes.

## Education

**Bachelor Of Science - Mobile Development** [Full Sail University](#) 2013-2016

**Associate Of Liberal Arts & Science - General Education** [Pima Community College](#) 2008-2011

## Certifications

HackerRank - **JavaScript** [Basic](#) | [Intermediate](#)

HackerRank - **Node** [Basic](#)

HackerRank - **React** [Basic](#)

HackerRank - **CSS** [Basic](#)

## Skills

**TypeScript** | **JavaScript** | **Deno** | **Node.js** | **HTML** | **CSS** | **Python** | **Git** | **GitHub** | **WebComponents** | **React** | **LitElement** | **GCP** | **AWS** | **Vue** | **Angular** | **SVG** | **Firestore** | **DynamoDB** | **MongoDB** | **Express** | **Stripe** | **Plaid** | **Tableau** | **Sendgrid**