Leonardo Elias

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Front-End Engineer with 4+ years of experience building scalable, user-focused web and hybrid mobile applications using TypeScript, JavaScript, and React. Proven expertise in developing impactful internal tools and customized solutions for government clients, including DHS. Committed to test-driven development and writing clean, maintainable code. Adept in Agile Scrum practices and collaborating with cross-functional teams to deliver high-performance, accessible, and reliable software.

Education

University of Maryland Global Campus

B.S. in Software Development and Security, Cum Laude (2019–2020) - GPA: 3.87

A.S. in Computer Science (2016–2018)

Experience

Acuity, Inc. — Senior Software Engineer *(Nov. 2021–Present)*

- Developed front-end solutions for federal government contracts. Used React, TypeScript, Material UI, Apollo Client, React Hook Forms, and Waypoint.
- Utilized GraphQL queries and mutations with Apollo Client to efficiently fetch, display, and modify application data across dynamic frontend interfaces.
- Completed a successful migration to MUI v5 for several web applications, standardizing design components and streamlining frontend development.
- Wrote comprehensive Jest and Vitest tests, increasing test coverage from <30% to 85%+ and improving codebase stability across several applications.
- Led large-scale refactoring of legacy and unoptimized code, replacing outdated practices with modern solutions while ensuring uninterrupted business operations.
- Leveraged Jira and Confluence to document and manage bugs, features, and code updates, ensuring full alignment with user requirements and seamless delivery.
- Maintained high code quality as code owner of large repositories by performing detailed code reviews and mentoring team members through actionable feedback.

Anne Arundel County, OIT — Programmer I *(Nov. 2017–Nov. 2021)*

- Partnered with designers, backend engineers, and stakeholders to develop a full-stack inventory management platform with React, React Native, Node.js, and GraphQL, improving inventory tracking across teams.
- Built a web-based system for the Police Department to manage detainee processing workflows and generate exportable legal reports in PDF format.
- Developed a middleware application to process and route data requests from multiple sources, integrating a decision engine for automated routing and logging.
- Designed and maintained web pages for the county's CMS, SiteExecutive, using HTML, CSS, and JavaScript.
- Implemented mobile-first designs for the Youth Engagement Activities Hub (YEAH!) and Public Information Request page, significantly enhancing accessibility and usability across devices.

Projects

AI project. (2024)

Developed an AI-powered application using AWS Bedrock in collaboration with a team, enabling users to generate and deploy backend services dynamically. Implemented a prompt-driven workflow where users input requirements, and the system automatically generates and deploys a Java Spring Boot backend. Leveraged AWS cloud services to ensure scalability, reliability, and seamless integration, enhancing efficiency in backend development.

Micro Frontend. (2023)

Designed and implemented a shell application using React, a monorepo structure, and a micro frontend architecture to enhance modularity and scalability. Developed a seamless integration framework for multiple independent frontend applications, enabling efficient code sharing and streamlined deployments. Leveraged modern tooling to optimize performance and maintainability, improving development workflows and user experience.

Skills

- **Programming Languages:** JavaScript (ES6), TypeScript, HTML, CSS
- **Libraries & Frameworks:** React, React Native, Redux, GraphQL, REST, Expo, Apollo Client, jQuery, Express, Bootstrap, Material UI, Vite, Vitest.
- **Tools & Platforms:** Git, GitHub, Bitbucket, Jira, Postman, AWS, GraphQL Playground, Cloudbees, Nexus, AWS Bedrock.
- **Design Software:** Adobe Photoshop, Illustrator, InDesign, Lightroom, Premiere Pro, After Effects, Corel Draw