# Elias David Ceriola

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## PROFESSIONAL EXPERIENCE

**Qualsix**                                                     **Apr 2023 - Present**
**Co-founder**

- Spearheaded backend development with NestJS, TypeScript, and MongoDB for a controlled-environment social media mobile application, designed and managed by academic researchers
- Engineered complex backend automation features—including intelligent bot interactions (like/dislike), automated bot posting, bot comments, threaded commenting, and secure user sandboxing—enabling $340K in annual revenue
- Collaborated with university researchers on prompt engineering and LLM integration, pioneering innovative solutions prior to the widespread LLM adoption
- Delivered scalable and secure backend infrastructure to support real-time data processing and user interactions while adhering to the client's IRB requirements
- Designed and maintained CI/CD workflows in GitHub Actions with automated testing, builds, and multi-environment deployments using docker, AWS ECR, and AWS ECS fargate

**Carepatron**                                                 **Feb 2024 - May 2025**
**Senior Software Engineer - Payments & Billing**

- Developed, maintained, and tested API and UI features for client balances, invoicing, payments, and insurance billing, enabling seamless user experiences resulting to a consistent monthly transaction volumes exceeding $1 million through the app
- Exceeded role expectations by learning ASP.NET within a month as a React developer hire, enabling independent end-to-end feature delivery
- Led migration from Redux Saga to Redux Toolkit resulting in a predictable state management throughout the application
- Spearheaded user-enriching events integration in Sentry, ensuring proactive issue resolution.
- Contributed to enhancing developer experience by refactoring the platform architecture.
- Enabled users to utilize multiple payment methods as well as allowing them to authorize healthcare providers to use it efficiently within the platform
- Wrote and applied required SQL migrations in postgreSQL for addressing changes in data models
- Collaborated with developers from different teams to improve application performance

**Reforest**                                                   **Nov 2022 - Aug 2024**
**Senior Software Engineer**

- Became the highest contributor in a team of 8 developers, excelling in both frontend and backend tasks using NextJS, NestJS, Typescript, PostgreSQL, and AWS
- Built the entire admin internal tool with React and Typescript to be used by the entire team for data-entry purposes
- Designed and implemented custom subscription processing and one-off payments using Stripe resulting in an additional $13,000 monthly income within the first 6 months from feature completion
- Designed and implemented custom internationalization feature in the server and led usage of i18nexus in the frontend
- Led the implementation of database denormalization and creation of materialized views improving the performance of statistics queries by over 900%
- Integrated Swagger for API documentation and ensured it is OpenAPI compliant to be used by the development team as well as external partners using it as one of their third-party APIs
- Led the development of the carbon footprint calculator feature for organization accounts resulting in a 30% increase in conversion for subscription checkouts
- Integrated ActiveCampaign in the server to improve the productivity of the Marketing team

**Smashing Boxes**                                                    **May 2021 - Mar 2024**
**Lead Software Engineer**

- Led the development process for several web and mobile applications using ReactJS, NextJS, React Native, Typescript, Node JS, and AWS
- Performed code reviews for other developers and ensured consistency of code quality
- Created tickets for developers and led meetings specifically for technical discussions
- Worked closely with the CEO, Engineering Manager, and Designers in timeline estimations of different projects
- Provided live demonstration of projects to clients based in the US
- Performed code reviews for software engineering applicants and provided analysis to hiring managers
- Created technical documentation with detailed diagrams for applications with complex APIs for other developers
- Secured over $1.2 million in billables under 2 years by completing 5 projects ahead of time

**360 Logix Solutions**                                               **Aug 2020 - May 2021**
**Software Engineer**

- Created several web and mobile applications in fields such as Telemedicine, E-commerce and Property Management using React, React Native (Expo), NodeJS, NoSQL databases (MongoDB / Firebase) and AWS
- Worked closely with the CTO in terms of project planning and timeline estimation of the project's features
- Performed code reviews and created tickets for other developers using Jira and Github
- Automated the deployment processes of some projects using services like AWS code pipeline

**Damstra Technology**                                                **Nov 2020 - Mar 2021**
**Software Engineer**

- Led the frontend development process for the asset management module of Damstra's product Saturn.
- Worked closely with Senior Backend Engineers, UI/UX lead, Head of Asset Management and CTO in discussing project progression and requirements
- Performed code reviews and created tickets for other developers using Bitbucket and Jira
- Created reusable react components and released it as a private component library to be used in other modules
- Document guides to project architecture using Confluence

**Upwork**                                                            **Aug 2019 - Aug 2020**
**FullStack Developer**

- Built an online platform for Virtual Conferences
- Built reusable components using React and Material UI in the project's codebase
- Developed existing and created new API endpoints using Node JS with Nest JS framework and PostgreSQL

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# EDUCATION

**Zuitt Coding Bootcamp**
*Top 1 Performe*r - Full Stack Development Immersive Program

**Adamson University**
Bachelors of Science in Petroleum Engineering

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