

Aaron Elliott

Senior Full-Stack Software Engineer

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SUMMARY

Full-stack developer with 10+ years of professional experience designing and building scalable applications across front-end, back-end and cloud. Strong in TypeScript, React and SolidJS on the front end and .NET and AWS on the back end, with a track record of building maintainable front-end systems, robust back-end services, and performance improvements across the stack.

EXPERIENCE

Senior Software Development Engineer • Experian Health

2022 – Present

- Design and build scalable full-stack applications with TypeScript, React, SolidJS and .NET.
- Architect modular front-end systems with strict TypeScript typing for long-term maintainability.
- Build front-end/back-end integrations with TanStack Query for server-state management, caching and async data sync.
- Write unit and integration tests with Vitest for React components and feature-based routing.
- Keep API communication between internal systems and third-party platforms reliable, streamlining data workflows.
- Work with cross-functional teams to speed up feature delivery and align front-end and back-end development.

Workflow Systems Developer • Lakeview Loan Servicing

2021 – 2022

- Developed and deployed AWS Lambda functions to process large-scale data files in serverless workflows.
- Configured and managed AWS EC2 instances for scalable, secure cloud infrastructure.
- Automated cloud resource management, improving deployment efficiency and reducing operational overhead.
- Integrated and extended the Ellie Mae Encompass API and SDK for mortgage and financial-services applications.

Developer • Dealer Specialties

2014 – 2021

- Built, maintained and extended back-end services on .NET Framework 4.7, improving performance and reliability.
- Built front-end features with .NET MVC and jQuery, plus custom JavaScript plugins used across multiple apps.
- Designed and built a support-portal front end in ColdFusion and jQuery to improve access to support resources.
- Delivered responsive user portals and new features and performance improvements for existing client tools.

SELECTED PROJECTS

JK Automotive

Rebuilt a Dayton performance shop's website for its rebrand: prerendered pages, structured data and local SEO.

SolidJS • Vite • Tailwind •
Firebase

Whitebox

In-browser trading-card scanner: custom-trained YOLO detection and OCR running entirely client-side.

YOLO11 • ONNX Runtime Web •
Tesseract.js

Fire Kit CMS

Multi-site headless CMS with a shared SDK powering several of my sites, with media on Cloudflare R2.

SolidJS • Firestore • Cloudflare
Workers

SKILLS

Languages

TypeScript, JavaScript, C#, SQL, Python, CSS

Frameworks & Libraries

React, SolidJS, Angular, .NET, Node.js, TanStack Query, Tailwind CSS, Three.js

Cloud & Tools

AWS (Lambda, EC2), Cloudflare, Firebase, PostgreSQL, Git, GitHub, Bitbucket, Vitest

Creative

Blender, Unreal Engine, Ableton

EDUCATION & CERTS

AWS Certified Cloud Practitioner

Nov 2024 – Nov 2027

University of Phoenix

Associate's Degree, Computer Programming
2012 – 2014

INTERESTS

Drift racing, 3D environment design, hard-surface modeling, music production, fabrication, photography, digital art, video games, fishing