Zach Scroggins

Full Stack Software Engineer

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(214) 608-0817

Evergreen, CO 80439

Portfolio
zachscroggins.com

GitHub
github.com/zachscroggins

LinkedIn
linkedin.com/in/zachscroggins

Senior Software Engineer - Lumeris (2023/01 - 2025/01)

AWS | IAC | TypeScript | NestJS | Angular | SvelteKit | Atlassian & Azure CI/CD | Scrum Team | Test Driven Development

- Co-led AI (OCR + LLM) Electron application development
- Created internal component library shared across SvelteKit / Electron / Vue
- Led development of internal ChatGPT with Azure OpenAI API
- Modernized customer support database dashboard
- Created internal RDS management dashboard
- Created IAC template for SvelteKit deployment on AWS Lambda / S3
- Led evaluation / overhaul of front-end tech stack

Software Engineer - Lumeris (2022/01 - 2023/01)

- Prototype real-time analytics engine with HealthLake / Kinesis / Lambda
- Co-led AWS migration of primary analytics engine to AWS RDS
- Led AWS migration of public document service, 10000+ documents, setting the example for how to use AWS Lambda@Edge with CloudFront CDN

Freelance Full Stack Developer (2020/08 - 2021/12)

PaulitaCarlotta.com - paid work for business owner
JavaScript | Next.js | React.js | Node.js | REST API | BigCommerce API | Prismic CMS API

- E-commerce store for women's fashion / jewelry and lifestyle blog

untcsce.club - pro bono work for UNT Computer Science Club
TypeScript | Next.js | React.js | Node.js | Commerce.js | Stripe | Contentful CMS API

- Informational / marketing site with headless content management system

Projects

nasa-api-explorer.vercel.app - personal project
TypeScript | Next.js | React.js | Node.js | REST API | NASA API

- Search NASA's official database of over 140,000 photos of the universe
- Satellite imagery from Earth Polychromatic Imaging Camera and positional data calculated with J2000 coordinates, vector calculus, & trigonometry

zachscroggins.com - personal project
TypeScript | Next.js | React.js | Node.js | GitHub API

- Custom designed portfolio website showcasing my work and projects

Education

Computer Science Major (2021/01 - 2021/12)
University of North Texas - Denton, TX

- Web Development Officer of Computer Science Club
- CS II, Data Structures, Algorithms, Usability and UX

Computer Information Systems Major (2019/06 - 2020/12)
North Central Texas College - Corinth, TX

- CS I, OOP, Java, C#, LAMP Stack, Linux, Web Design, PC HW, Computer Networks, Computer Graphics, Digital Imaging

Industry Knowledge

Amazon Web Services

Large Language Models

Headless E-commerce

Content Management Systems

Content Delivery Networks

Serverless Computing

Languages & Runtimes

JavaScript	TypeScript
HTML5	CSS3
Node.js	PHP
Python	Java
C++	C#

Frameworks & Libraries

Next.js	React.js
SvelteKit	NestJS
Cypress	Tailwind CSS

Databases

AWS Athena	DocumentDB
PostgreSQL	Microsoft SQL

Tools & Technologies

REST API	GraphQL API
Git	GitHub
Linux	Docker
Vercel	Netlify

Design

UI Design	UX Design
Figma	Adobe XD
Illustrator	Photoshop