Devon Selvaggi

Lead Full-Stack Software Engineer

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Professional Experience

Nebula Academy — Remote

Lead Full-Stack Software Engineer & Instructor | Sep 2022 – Present

- Technical lead on a full-scale Learning Management System (LMS), owning backend architecture, feature delivery, and deployment pipelines.
- Sole Nebula-side engineer collaborating with an offshore development team; align execution to business requirements and release goals.
- Built core systems including authentication, Mux video streaming, Stripe billing, and analytics dashboards.
- Manage Azure cloud environment and DevOps workflows for automated deployments and operational stability.
- Develop and teach advanced programming curricula (Python, SQL, REST APIs, full-stack engineering), helping 100+ students transition into tech careers.
- Produce investor-ready architecture documentation supporting platform growth and scaling.
- Fill PM role when needed to ensure delivery momentum across global development teams.

T-Mobile — Honesdale, PA

Mobile Expert | Jan 2022 – Sep 2022

- Supported technical troubleshooting and optimized customer experience with network/device configurations.
- Exceeded sales performance targets and strengthened customer satisfaction metrics through consultative service.

Mountain Valley Builders — Beach Lake, PA

Carpenter | Sep 2021 – Aug 2022

- Executed detailed residential construction projects emphasizing safety and precision craftsmanship.

Key Projects

Stellar-Learn LMS — https://www.stellar-learn.com/

- Lead architect and full-stack developer of a production LMS serving multiple campuses.
- Built backend services, media delivery, and role-based dashboards using Next.js, PostgreSQL, Node.js, Azure, Mux, and Stripe.
- Delivered secure onboarding and assessment workflows adopted in live academic programs.

Wallenpaupack Cleaning — https://www.wallenpaupackcleaning.com/

- Developed a commercial booking platform powering daily operations for a real cleaning business.
- Automated Stripe payment flow, booking creation, and Google Calendar sync for hands-off scheduling.
- Built with Next.js 14, Supabase, TypeScript, and Tailwind CSS — deployed on Vercel.

Aleah's Art Portfolio — https://www.aleahslish.art/

- Built a high-performance artist portfolio using Next.js, TailwindCSS, and Cloudinary for dynamic image optimization.
- Implemented responsive galleries, metadata automation, and global deployment via Vercel.

Technical Skills

- Frontend: React, Next.js, TypeScript, TailwindCSS, HTML, CSS
- Backend: Node.js, Express.js, PostgreSQL, SQL/NoSQL, Supabase, MongoDB
- Cloud & DevOps: Azure, AWS, Vercel, Git, Webpack
- Expertise: Stripe Integrations, Authentication/Authorization, Mux Video Streaming, Agile/Scrum

Education & Professional Development

Wallenpaupack Area School District — Hawley, PA

Diploma | 2018

Self-directed software engineering education through 3+ years of full-stack production experience, architecture design, and instruction at Nebula Academy.