Andrew Cartwright

Full-Stack Software Engineer in Birmingham, AL, specializing in TypeScript, React, and Node.js. Passionate about Arduino projects and Linux. Enthusiastic mentor who enjoys gardening, cooking, woodworking, hiking, and spending time with my pets.

Birmingham, AL
https://atlc.dev
https://github.com/atlc
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EXPERIENCE *(References and full employment history available upon request)*

Software Developer / Lead Instructor — *Covalence* (2020 - Present)

- Led a comprehensive full-stack web development bootcamp covering TypeScript, React, Node.js, relational SQL, and authentication.
- Developed and continuously updated a dynamic curriculum aligned with industry trends to enhance students' skills & employability.
- Produced and shared public programming tutorials, extending educational impact to the broader developer community.

DevOps Engineer — *Hubbard Systems* (2019 - 2020)

- Established the DevOps department, automating processes and developing CI/CD pipelines with Jenkins on a stack involving COBOL, Java, & Electron/React.
- Created development tools including a utility to convert JSON and COBOL source code into Markdown tables, rapidly expanding our API documentation in addition to a sterile dataset generator for general purpose use and stress testing.
- Setup a client deployment process with our own Chocolatey server, automating the packaging and deployment of application components.

Software Engineer — *Vincari* (2016 - 2017)

- Developed new features and resolved bugs for an EMR/operative documentation app using Ruby on Rails, Angular.js, and MySQL.
- Managed AWS infrastructure, focusing on EC2, VPCs, and S3.
- Created a logging and analytics system that empowered our Implementation & Support teams to replay the construction of any document.

CERTIFICATIONS

- **AWS:** Certified Cloud Practitioner, Certified Developer *(exp. Sept 2024)*
- **Microsoft:** Azure Fundamentals, MTA Software Development Fundamentals, MTA Database Fundamentals, MTA Security Fundamentals
- **Linux Professional Institute:** Linux Essentials
- **CompTIA:** Healthcare IT Technician

SKILLS

TypeScript, React, Node.js, ES6+ JavaScript, HTML5, CSS3, mobile responsive design, Tailwind, Bootstrap, MaterialUI, styled-components, Stripe, Square, Mailgun, Mailchimp, Auth, Passport.js, JWTs, RESTful API design, relational SQL (mainly Postgres and MySQL), NoSQL (primarily MongoDB), key-value DBs (primarily Redis), python, C++, Arduino, Linux, git, AWS, Azure, Heroku, DigitalOcean, Devops, Jenkins

EDUCATION

B.S. Computer Science (2025)
Western Governors University

Presently enrolled with an expected completion date of May 2025.

A.S. Mathematics (2024)
Jefferson State Community College

Gained Mu Alpha Theta (Mathematics Honor Society) membership & obtained a 3.3 GPA in my math courses, including Cal I, II, III, Statistics, Differential Equations, & Linear Algebra.

A.S. Programming (2017)
Jefferson State Community College

The recipient of the 2016 College Scholars Award.