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 pets.

Birmingham, AL
https://atlc.dev
https://github.com/atlc
andrewlloydcartwright@gmail.com

EXPERIENCE

Covalence, Remote — *Software Developer / Lead Instructor* (2020 – Present)

In my current role, I lead a full-stack web development bootcamp, mentoring aspiring developers and maintaining a curriculum that aligns with industry trends. I also create and share programming tutorials, blending my passion for teaching with technical expertise to ensure students are well-prepared for their careers.

Hubbard Systems, Remote — *Devops Engineer* (2019 – 2020)

2019 - 2020

At Hubbard Systems, I established the DevOps department, automating internal processes to streamline workflows and improve team efficiency. I created CI/CD pipelines for a complex COBOL + Java + Electron/React application stack and developed custom devtools along with a comprehensive documentation system..

Vincari, Birmingham — *Software Engineer* (2016 – 2017)

Developed new features and resolved bugs for an EMR web app using Ruby on Rails, Angular.js, and MySQL. Managed AWS infrastructure, focusing on EC2, VPCs, and S3, and created a SumoLogic-based logging system to support client assistance and issue reproduction.

Hubbard Systems, Birmingham — *App System Analyst* (2015 – 2016)

Provided training and support for our accounting application, and performed Windows, Linux, and MS SQL server administration.

EDUCATION

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

Mu Alpha Theta member & obtained a 3.3 GPA in my math courses, including Cal I, II, III, Statistics, Differential Equations, & Linear Algebra.

A.S. CIS - Programming, Jefferson State Community College (2017)

The recipient of the 2016 College Scholars award

Additional Academic Achievements

Completed 152 cumulative credit hours between my healthcare and STEM studies at Jefferson State and Auburn University, exceeding requirements for a Bachelor's degree.

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

CERTIFICATIONS

Microsoft:
- Azure Fundamentals
- MTA Software Development
- MTA Database Fundamentals
- MTA Security Fundamentals

AWS:
- Certified Cloud Practitioner
- Certified Developer *(expected August 2024)*

Linux Professional Institute:
- Linux Essentials
- LPIC-1 *(expected August 2024)*

CompTIA:
- Healthcare IT Technician