

Scott Michael Curtis, P.E.



DevOps Engineer - Passionate about infrastructure with a focus on cloud tools and implementing DevOps practices to offer seamless integration, deployment, and delivery with a focus on cost, availability, reliability, scalability, and maintainability. Driven self-starter and fast learner who is ready to continuously deliver.

PROFESSIONAL EXPERIENCE

Site Reliability Engineer (Contractor)

Pickitup Inc., Dover, Delaware

May 2017 – May 2018

- Integrated a CI/CD process through AWS Pipeline utilizing GitHub, Docker and AWS ECR/ECS services, allowing continuous integration and deployment of new code and features to the production environment.
- Orchestrated Docker images on Amazon Elastic Container (ECS) for automated scalability and elasticity, deploying or terminating EC2 instances based on load.

Staff Electrical Engineer

Arcadis, White Plains, New York

May 2017 – Present

- Project electrical engineer responsible for leading the electrical design effort for multiple complex projects simultaneously.
- Standardized processes in creating electrical drawings, and specifications, minimizing time spent on repetitive boilerplate tasks which aided in completing projects under budget and allowed for more focus on project challenges.
- Created an excel spreadsheet which dynamically sized electrical duct banks and enabled quick iterative adjustments and eliminated tedious recalculation which allowed for smoother real time discussions over duct bank design.
- Authored technical reports, memos, specifications, instructions, and documentation for clients, and internal use.
- Coordinated with multiple engineering disciplines frequently to effectively deliver a complete design and to minimize conflicts and to ensure coordination across deliverables.

Electrical Engineer IV

AECOM, Princeton, New Jersey

June 2012 – May 2017

- Monitored and supervised the engineering, procurement, and installation of a microwave system, which included 105 microwave hops, 10 fiber optic nodes, 50 pieces of digital cross connect equipment, and an overall network management system.
- Mentored young engineers in standard design practices and company policies and procedures.

PERSONAL INFORMATION

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CERTIFICATIONS

AWS - Solutions Architect Assoc.

PCEP – Entry-Level Python Programmer

Professional Engineer - NJ

TECHNICAL SKILLS

Automation (AWS CodePipeline, Terraform)

Containerization (Docker)

Cloud (AWS – EC2, IAM, Elastic Beanstalk, S3, Elastic Load Balancing, Developer Tools)

Database (MongoDB, SQL)

Front-end (React.js)

General Programming (Bash, JavaScript, Python, Git)

PROFESSIONAL SKILLS

Prototyping and Drafting (3D Printing, Fusion360, AutoCAD)

Electronics (Soldering, Microcontrollers)

EDUCATION

Stevens Institute of Technology, NJ

B. Eng. Electrical Engineering (2012)

GPA: 3.58 with Honors

Relevant Coursework:

Data Structures & Algorithms

Discrete Math

Microprocessor Systems

C++ Programming