Scott M. Curtis

973-222-7773 | smcurtis@gmail.com | linkedin.com/in/scott-curtis-pe | scott-curtis.com

SKILLS

Languages: Python, JavaScript, Bash, SQL, HTML, CSS
Tools and Frameworks: Docker, Git, MongoDB, React, Node.js, Express, Flask, Terraform, Linux, AWS

PROJECTS

Reciplease: *Find recipes by searching ingredients.*

- Developed web-app where users can search for and filter recipes and add results to favorites using MERN stack (MongoDB, Express, React, Node.js) and Edamam API.
- Implemented user authentication using Passport local authentication strategy and stored salted and encrypted password credentials in MongoDB.

EE Toolkit: *Electrical engineering calculators and reference tables.*

- Designed web app to aid with basic power electrical engineering calculations using React and Flask.
- Deployed an EC2 instance with a docker container to host backend server and MySQL database.

Sudoku Solver: *Sudoku app using JavaScript and HTML*

- Created sudoku game and solver which uses recursive backtracking algorithm to generate and solve sudoku boards with an HTML user interface.

CI/CD Pipeline with AWS

- Generated CI/CD pipeline using 2 AWS Pipelines which leveraged GitHub and ECR as repositories and ECS for deployment, allowing for continuous integration and deployment for new code and features.
- Architected virtual private cloud on the AWS platform, including configuration of public and private subnets, route tables, and network access control lists.

CERTIFICATIONS & LICENSES

- Amazon Web Services (AWS) Certified Solutions Architect – Associate — February 2020 – February 2023
- Licensed Professional Engineer – NJ — August 2018 – April 2022

EDUCATION

Stevens Institute of Technology – Hoboken NJ
Bachelor of Engineering in Electrical Engineering, GPA: 3.58 / 4.0 — May 2012

WORK EXPERIENCE

Arcadis — **White Plains, NY**
Electrical Engineer, Water — May 2017 – Present

- Gathered project requirements by conducting site visits and discussing with clients to identify and address project specific challenges which resulted in meeting client and project expectations.
- Estimated the hours and cost required to take a project from inception to constructed to determine the overall project budget and for projecting the workload of staff.
- Reviewed plan designs, specifications, and equipment submittals for QA/QC to ensure overall design completeness.

AECOM — **Princeton, NJ**
Electrical Engineer IV, Power — June 2012 – May 2017

- Tested radio equipment racks and software configuration settings during Factory Acceptance Tests at manufacturer's facility prior to field installation and deployment of a SCADA microwave system.
- Authored specifications for electrical equipment including substation control houses, motor control centers, switchgear, and power distribution centers so provided equipment meets project requirements.

INTERESTS

3D Printing, Electronics, Amateur Radio, DIY Projects, Ocarina, Gaming