Simmie:

Provisioned all resources in Google Cloud, such as the production and test databases and server, load balancer, and web gateway

Secured the resources in accordance with SOC2 security guidelines

Wrote all company policy, including policies for change management, security breaches, and protocol for regular updating/maintenance of the web application

Built out application backend in JavaScript using [Node.js](http://node.js), defining routes, declaring model schema, and facilitating SQL queries to pass relevant information back to the user

Built new components for frontend in JavaScript using React, such as the user feedback screen and a chatbot to analyze past conversations

Built and deployed a RAG pipeline for analyzing conversation history using vector embeddings, cosine similarity, JavaScript and Qdrant

Ran complex queries against production database to identify customer usage patterns and report metrics for use in pitch competitions

Led brainstorming sessions to develop new features for the application

Reported on all aspects of application specifications as part of due diligence proceedings before signing contract with major staffing company

Codeup:

Facilitated career change for over 40 students from past careers into data science roles

Led team of 15 data science instructors by determining appropriate content changes to the curriculum and handling complaints from students

Developed presentations for over 100 lectures by creating learning objectives according to Bloom’s taxonomy and teaching toward those objectives

I taught the following subjects: SQL, Python, Statistics, Tableau, data science libraries (Pandas, Matplotlib, Seaborn, Numpy), data cleaning and preprocessing, machine learning with sklearn (regression, classification, clustering, time series prediction, NLP), deep learning with Tensorflow

Live coded lessons for students in all subjects

Taught in classroom and 1-on-1 environments, taking time to sit with students and guide them through problems they were facing

Led 2 classes from start to finish, teaching every subject in succession over an 18-week period

Determined and assigned quarterly goals to team members

Led team meetings, facilitating discussion, prioritizing topics, and helping the team create an action plan to enact the solution

Emsyte:

Provisioned company resources in AWS, including S3 buckets and EC2 instances

Acquired and cleaned facial emotion dataset for computer vision project

Achieved over 80% out-of-sample accuracy with facial emotion recognition model

Used OpenCV2, Tensorflow, and Jupyter Notebooks to complete project

Worked independently, using my self-motivation to learn more about neural networks and discover solutions