

Noah Jones

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TECHNICAL SKILLS

Programming Languages: Python | HTML | SQL | Java | JavaScript | CSS | C#

Tools: Google Cloud Platform (GCP) | Google BigQuery | MySQL | TensorFlow | Flask | Numpy | Pandas | JSON | Postman | Docker | Jenkins | Unix | Linux | Git | Unity | Sentence Transformers

Other Skills: Back-End Development | Automation | Machine Learning | Artificial Intelligence (AI) | Neural Networks | Large Language Models | Cloud Computing | Cloud Infrastructure Management | Data Science | Agile Methodologies | Natural Language Processing (NLP) | Education | Curriculum Development | Semantic Search Databasing

WORK EXPERIENCE

Python Development Lead

Alamo, California

The Eighth Notch, Inc.

May 2022 - Present

- Integrated machine learning models into the real-time data processing workflow, enabling predictive analytics for the purpose of optimizing limited computational resources.
- Led the design and development of a RESTful API using Python to synchronize deliveries for shippers and carriers, resulting in a reduction of unnecessary delivery truck stops by 30%.
- Utilized Google Cloud Platform (GCP) and Jenkins to deploy and maintain the API in a scalable and efficient manner, resulting in increased reliability and uptime.
- Collaborated in the development of an AI system that accurately predicts which orders can be combined and shipped together, resulting in a 20% increase in order consolidation efficiency.
- Designed and implemented gcloud automation python tooling that reduced company-wide workload by 90%.

Python Developer

Alamo, California

The Eighth Notch, Inc.

February 2022 - May 2022

- Developed and implemented a data cleansing tool using Python and SQL to ensure the accuracy and completeness of customer data, resulting in a significant reduction in errors.
- Developed and maintained ETL scripts using Python to transform raw data into a format suitable for analytics, reducing data processing time by 75%.
- Collaborated with cross-functional teams to understand business requirements and optimize the data cleansing tools, resulting in a 60% increase in productivity and a 40% reduction in manual data cleansing efforts.
- Built a scalable GCP based production ready API from the ground up.

Computer Science / Robotics Teacher

San Mateo, California

Crystal Springs Uplands School

August 2020 - February 2022

- Taught high school and middle school introductory computer science courses.
- Ran after school robotics program centered around raspberry pi, python and A.I.

Software Development Consultant

Oakland, California

Wyzant | Freelance

August 2020 - August 2021

- Collaborated and contributed to code bases for clients on a wide range of projects ranging from web applications, robotics, game design, and backend Python engineering.
- Provided expert technical advice and consulting services to clients in the areas of computer science, software development, and information technology, with a focus on robotics, A.I., VR, and mobile game development.
- Conducted research and analysis to understand client needs and develop solutions tailored to their specific requirements to create unique and innovative solutions.

AP Computer Science Teacher

Los Angeles, California

Milken Community School

August 2019 - August 2020

- Taught AP computer science courses.

PROJECTS

Education AI Platform – Teachmenow.info | Teachmenow Medical

July 2023 - Present

Programmed using Python

- Lead the development of an innovative educational AI platform centered around Python, Flask, Gcloud, and LLMs enabling educators, teachers, students, and medical professionals to effortlessly create engaging and comprehensive materials for various subjects.

EDUCATION

University of California, Berkeley

Berkeley, California

Bachelor of Arts - Cognitive Science

2016