

AUSTIN LEE

Senior Python Full Stack Developer

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Summary

A seasoned Full-Stack Developer with over 10 years of experience across diverse industries, boasting robust proficiency in cutting-edge technologies including React, Python, Django, Flask, FastAPI, AWS and other contemporary platforms. Being a creative and independent programmer, my goal is to delight clients by delivering high-quality solutions and ultimately driving business growth.

Skills

Languages: Python • JavaScript • TypeScript • SQL • GraphQL • HTML/CSS

Frameworks & libraries: React • Django • Flask • FastAPI • NumPy • Node.js • Express.js

Storage: MySQL • MongoDB • PostgreSQL • DynamoDB

Tools & Platforms: Git/GitHub • Terraform • Docker • Kubernetes • AWS • Azure

Experience

The College Board

Reston, VA

Senior Python Full Stack Developer

01/2022 - 04/2024

Developed multiple web based platforms, services, tools, portals which support educators, educational institutions in various aspects

- Created scalable and maintainable backend services for managing various of data using Python, Django, PostgreSQL
- Developed RESTful APIs and integrated into frontend using Python, Django and FastAPI for variety of projects
- Worked on front-end development of 4 web based tools and applications using React, Redux, Next.js, GraphQL
- Optimized ETL workflows for performance and scalability, leveraging parallel processing, partitioning, and indexing technique
- Conducted code reviews, ensuring code quality, consistency, and adherence to best practices using GitHub
- Fully engaged in Agile SDLC, using Jira for seamless collaboration across all phases: Planning, Develop, Testing, and Deployment

Synopsys Inc

Los Angeles, CA

Python Back-End Developer

04/2020 - 12/2021

Extended features of EDA Software platforms, and developed frontend for multiple web-based analytics platforms, customer-facing services

- Designed and developed Financial Dashboard using Python, Django Kafka, with Amazon S3, RedShift, Amazon API Gateway
- Deployed machine learning models as RESTful APIs using Django framework for real-time inference
- Implemented, and maintained ETL pipelines to extract data from various sources, transform it into a usable format
- Launched web applications on Linux servers, collaborating with sysadmins for server configuration and maintenance
- Utilized AWS Lambda functions to perform serverless data processing tasks, such as data transformation, aggregation
- Conducted exploratory data analysis (EDA) using pandas and NumPy to preprocess and analyze large datasets for model training
- Implemented, and maintained Continuous Integration/Continuous Deployment (CI/CD) pipelines using Docker, Jenkins, Terraform

adMixt

Austin, TX

Full Stack Developer

09/2016 - 03/2020

Initiated 7 projects from scratch with technologies like React, Node.js, Python, FastAPI, Django, AWS

- Created REST APIs and custom scripts using Python, Django, FastAPI for e-commerce platforms and customer-facing services
- Developed e-commerce platforms and services using React, Node.js, Express.js, MongoDB, deploying to AWS
- Developed Python scripts to automate tasks and integrate NLP models into the company's customer service chatbot system
- Built and maintained user-friendly and responsive web applications with HTML, CSS/SASS, jQuery, React, TailwindCSS
- Optimized frontend performance by leveraging techniques such as code splitting, lazy loading, and caching to minimize load times
- Implemented Test-Driven Development (TDD) practices in software development projects, using Jest, Cypress, React Testing Library
- Crafted and Deployed a greatly optimized REST API from analysis of existing project

Education

University of Southern California

Los Angeles, CA

B.S. in Computer Science | GPA: **3.9** / 4.0

01/2010 - 12/2013