

David Piper

Senior Software Engineer

Remote Roles Only

Salary Requirements \$120,000-\$150,000

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Work History

Mars Lyceum

Jan 2023 — Present

- Making mobile apps with React Native
- Developing backends in Node.js, Express.js and TypeScript
- Integrated with the Google Cloud Platform to develop a website for visualization and an app for hobby matching
- Developing Unreal Engine 5 games in C++
- Creation of a Transformer-based AI that predicts stock prices
- Market research to identify ways to sell the AI as a data visualization product
- Created the AI using cutting-edge Data Science techniques in PyTorch and Python
- Working on React components using D3 for charting.
- Responsible for provisioning infrastructure using Terraform and Ansible on Google Cloud Platform with Google Cloud Run and Google Cloud SQL

Asurion

Dec 2019 — Feb 2024

- Full-Stack Software Engineer
- Developed a React Native application acting as the native layer for a mobile app
- Developed a React web app that ran as a mobile app inside a WebView
- Made many custom React components and Material UI
- Setup Node.JS Serverless microservices running on AWS
- Acted as the primary cloud architect on many different AWS services including DynamoDB and Lambda functions.
- Responsible for writing, testing, validating and deploying code from start to finish
- Worked as a Security Maven where I was responsible for updating code, identifying and patching security vulnerabilities on the backend and frontend

Development Skills

Knowledge: Data Science, AI, Software Engineering, Machine Learning, DevOps

Languages and Frameworks: React, React Native, Python, JavaScript, TypeScript, Node.js, AWS, Serverless, C++, Google Cloud Platform, Ansible, Kubernetes, Docker, C#

About Me

I'm a passionate software engineer who has extensive full-stack experience including with data science and data engineering. I have many years of experience building frontends in React, React Native, vanilla HTML/CSS, Python, C++/Unreal, and C#. I also have a lot of experience building backends in TypeScript with Node.js, and Python for AWS and Google Cloud Platform. I've also taught myself data science and data engineering and am running a small startup called Mars Lyceum building out AI/ML apps in Python, video games with Unreal and C++, and a social-connection mobile app called Hephaestus which uses React Native, TypeScript, Node.js, Express, and Google Cloud Platform.

Education

Middle Tennessee State University — December 2018

Bachelor of Science, Major in Computer Science

GPA: 3.66 — Cum Laude