Kourtney Miranda

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Summary

Aspiring Software Engineer with expertise in full-stack development, cloud computing, and data analytics. Proficient in Python, JavaScript, TypeScript, SQL, Java, and C++ with hands-on experience in building scalable applications. Strong foundation in problem-solving, RESTful APIs, cloud services, and database management. Passionate about leveraging technology to develop innovative and user-friendly solutions.

Technical Skills

- **Programming Languages:** Python, JavaScript, TypeScript, SQL, Java, C++
- **Web Development:** React.js, Express.js, Next.js, HTML5, CSS3
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
- **Cloud & DevOps:** AWS (EC2, RDS, Lambda, Cognito, S3), Google Cloud Platform
- **Version Control & CI/CD:** Git, GitHub, Docker
- **Software Development Principles:** Object-Oriented Programming (OOP), Agile, REST APIs
- **Data Science & AI:** OpenAI API, Flask, D3.js, ElasticSearch

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Education & Certifications

- **Full Stack Academy –** July 2025 Completion
- **AWS Cloud Foundations Certification**
- **Amazon Python Programming Certification**
- **Google Data Analytics & Project Management Certifications**
- **Correlation One Data Analytics Certification**
- **M.S. in Business Administration – Analytics Concentration** – University of California, San Diego
- **B.S. in Business Administration** – National University

Projects

Cloud and React-Based Social Network (Around)
- Designed and implemented a short-video web app using React.js and Google Cloud.
- Integrated JWT-based authentication and enhanced search functionality with ElasticSearch.
- Developed backend with Go and optimized API performance for handling posts.

Starlink Trajectory Visualization
- Built a real-time satellite tracking dashboard with React.js and D3.js.
- Implemented geo-location and altitude-based search filters.
- Deployed the application on AWS for scalable performance.

Tinder-like News App (Tinnews)
- Designed an Instagram-inspired news app using Jetpack and MVVM architecture.
- Integrated CardStackView for swipe-based interactions.
- Implemented REST API calls using Retrofit for dynamic news updates.

AI-Powered Resume Analyzer
- Developed a cloud-based AI-driven resume analyzer using OpenAI's GPT API.
- Built the frontend using React.js and backend with Flask/Python.
- Deployed on Google Cloud with Firebase for real-time feedback and resume optimization.

Cloud-Powered Task Management App
- Built a task management system with Next.js, Express.js, and MongoDB.
- Integrated AWS Cognito for secure authentication and role-based access control.
- Deployed on AWS Lambda and S3 for cost-effective scaling.

Relevant Experience

Amazon - Vendor Flex (Seattle, WA)
Business Optimization Manager | Feb 2024 – Present
Business Optimization Analyst | Feb 2024 – Feb 2024

- Designed SQL queries and Python scripts to automate ETL processes, improving data analysis efficiency by 65%.
- Built real-time dashboards with Tableau, Power BI, and Looker for supply chain insights, improving supply chain operations by 40% and reduced Supplier Lead Time by 70%.
- Developed Python-based automation to streamline reporting, reducing manual effort by 40%.
- Collaborated with cross-functional teams to optimize procurement, cost management, and risk mitigation.

Professional Development

- FullStack Academy – Software Engineering
- Acquired advanced software development skills, including Java, C++, and TypeScript
- Active contributor to open-source projects and self-paced coding challenges (LeetCode, HackerRank)
- Engaged in cloud-based application deployment and DevOps best practices

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