

Jake Mofa
Software Engineer

[LinkedIn](#) | 209-362-7518 | [Portfolio](#) | Jakemofabd@gmail.com | [GitHub](#)

Innovative and solutions-focused Software Engineer with deep expertise in both front-end and back-end architectures. Skilled in developing scalable and maintainable web applications using modern web technologies and cloud systems.

WORK EXPERIENCE

Software Engineer II	<u>Vendo</u>	Los Angeles CA	11/2022 - Present
<ul style="list-style-type: none">Led the design of a B2B dashboard application and developed this application using a microservice architecture on AWS, with Javascript, Express.js, MYSQL, Aws Functions, and AWS secret manager, driving \$35.3 million of revenue annually.Guided the migration of a real-time data analytics dashboard application, Transitioned from PHP to React for the front-end and to Node.js for the backend, improving page load times by 20%.Added Redis cache layer between the microservices and database, reducing database traffic by 40% and saving over \$20000 in RDS operation cost.Migrated the application from a serverless deployment to a microservice architecture. Deployed and managed on Kubernetes with a local development version on Docker.Developed a PHP REST API that handles serverless communication between frontend-backend, reducing data transfer time by 30% and implementing Amazon Ads and Sponsored Product API integration for dashboard advertising metrics(CPC, SP,SB).Automated data reporting pipeline using Python to generate daily reports and detect data anomalies using AWS Lambda.Built responsive data charting and visualization reports dashboards with React and Redux from SQL DB and Amazon Marketing Cloud.			
Software Engineer (contract)	<u>Phenotype</u>	NewYork, NY	01/2023 - 03/2023
<ul style="list-style-type: none">Engineered an Operator Controller (GUI) using JavaScript and React for Electroencephalography(EEG) data collection and processing, integrating Petal Metrics API through Python for real-time data transmission to Blender.Developed a dynamic data visualization platform using Python with AWS SDK(boto3), to automate the export of 3D models from Blender to AWS S3, integrating with Shopify webhooks to handle account-based events using the Shopify API.Designed a comprehensive VR animation automation pipeline using React.js, Blender, and AWS Lambda, ensuring seamless data transfer and animation triggering.Developed JavaScript scripts using AWS SDK to securely display 3D files from the AWS S3, on custom Shopify pages, allowing client's to purchase on their accounts.			
Backend Developer	<u>Fashionista Africa</u>	Douala, Cameroon	02/2020 - 03/2021
<ul style="list-style-type: none">Developed a cloud-based e-commerce platform to showcase and sell African designs and fashion products online using AWS (Elastic Beanstalk, S3, and RDS), JavaScript, React, and Node.js.Created a recommendation engine using machine learning, Python, Django PostgreSQL, and SQL to suggest African fashion products to customers based on their preferences and purchasing history.Designed and implemented an inventory management system deploying docker containers, then using Python, Django, and MySQL, to manage and track African fashion products, reducing stockouts by 25% and overstocking by 30%			

EDUCATION

Bachelor of Computer Science A.S of Computer Science	<u>San Jose State University</u> <u>San Joaquin Delta College</u>	San Jose, Ca, Stockton, CA	01/2022 - 01/2023 01/2020 – 01/2022
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Certification

<ul style="list-style-type: none">Google IT Automation with Python Professional Certificate.Meta Back-end Developer: Professional CertificateJavascript Deeper Dive: Certification issued by Scrimba.	<ul style="list-style-type: none">Amazon Marketing Cloud Certification issues by AWSFront End Developer Career Path: CertificateAWS Certified Cloud Practitioner issued by AWS
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PROJECTS

Lead Developer AccountManager.ai	06/2024
Orchestrated the end-end design and implementation of a high-level architecture for managing Amazon and TikTok marketplace account Integrated Amazon Seller Central and TikTok Ads APIs using TypeScript, Python, and Node.js, automating data flows and improving marketing insights for platform visualization.	
SmartAdviser	
Innovated and developed an advertising software, an AI-driven platform, tailored for enhancing marketing strategies in e-commerce and finance sectors	
Utilized MongoDB and SQL databases for efficient data management, Metrics insight and cloud-enabling advanced user targeting and ROI analysis.	
Founder & Lead Developer Envision Dreams Technology	
Founded and directed a technology company focused on developing secure, scalable web and app solutions, utilizing advanced cloud computing and cybersecurity techniques to enhance digital transformation across various sectors.	
NFT Network Analysis	
Executed in-depth NFT data analysis using Machine Learning, SQLite and pandas, pinpointing the top 5 projects by volume.	
SKILLS	
Python PHP C# Node.JS JavaScript TypeScript HTML5 CSS3 Java MySQL SQL NoSQL PostgreSQL REST API Express Flask Django React jQuery Bootstrap Redux Vue Cloud Computing OOP SDLC	
Git Docker Kubernetes CI/CD AWS CloudTrail GCP Azure Jira Jenkins System Architecture Redshift Redis	
Microservices Distributed Systems Frontend Backend Full-Stack Cloud Computing Scrum DevOps SDK	