

JOSEPH H. KANG

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LinkedIn:

<https://www.linkedin.com/in/joseph-kang-93a134b8/>

Portfolio: <https://myportfoliowebsite-kappa.vercel.app/>

Technical Blog:

[https://deploydiaries-git-new-ui-joseph-kangs-projects.v
ercel.app](https://deploydiaries-git-new-ui-joseph-kangs-projects.vercel.app)

Github: <https://github.com/jkang1643>

SUMMARY

Motivated Cloud Engineer with 3+ years of experience delivering technical solutions in fast-paced, client-focused environments. Adept at diagnosing complex issues, optimizing AWS cloud infrastructure, and translating technical concepts into clear, actionable guidance. Proven ability to collaborate across teams, drive client satisfaction, and deliver impactful results by combining technical expertise with a customer-first mindset. Proven track record in collaborating with cross-functional teams, driving client satisfaction, and delivering impactful insights. Seeking to leverage technical expertise, communication skills, and customer relationship management abilities

WORK EXPERIENCE

Hewlett Packard Inc.

Houston, TX

Cloud Engineer

July 2024 – Present

- Resolve cloud-related issues across platforms using the AWS Console with a 90% first-response resolution rate, minimizing downtime and ensuring customer satisfaction through proactive monitoring and detailed root cause analysis.
- Leveraged Terraform and Ansible to automate the deployment and configuration of cloud infrastructure, reducing manual provisioning time by 40% and improving deployment consistency by 25%.
- Develop and maintain Linux shell scripts and automation tools, enhancing operational efficiency by 30% and reducing manual intervention for routine processes.
- Design, implement, and maintain CI/CD pipelines using Jenkins, achieving 99% deployment success rates and reducing deployment time by 40% through robust automation and version control.
- Led architectural cloud decisions and conducted cost analysis for AWS CLI deployments, optimizing infrastructure using EC2, S3, Lambda, EKS, and CloudFormation to balance performance, scalability, and cost-efficiency.
- Led end-to-end cloud migration projects, moving 15+ applications to AWS with zero downtime, improving system performance by 30% and reducing monthly infrastructure costs by 20% through optimized resource allocation.
- Contract work through Birlasoft

The Hanover Firm

Houston, TX

Freelance Front End Developer and UI/UX Designer

July 2021-June 2023

- Partnered with clients to implement user-centric designs, increasing usability scores by 30% and improving user retention rates across various applications.
- Designed high-fidelity UI/UX mockups using Figma, enabling clients to visualize end-to-end solutions before development. This approach led to a 25% reduction in revision cycles and improved overall client satisfaction.
- Developed cloud-integrated web applications with optimized front-end performance, reducing load times by 40% and improving scalability for high-traffic environments.
- Created interactive prototypes for web applications using Javascript, HTML, CSS, enabling real-time feedback and reducing time-to-market by 15% through early client involvement and rapid iteration cycles.

FuelTrust LLC.

Houston, TX

Python Developer

Dec 2020 – June 2021

- Developed a Python-based data processing pipeline with a Flask front-end, integrated with AWS services for automated web scraping, data transformation, and delivery, saving over 1,000 work hours annually and improving daily research efficiency by 300%.
- Designed and deployed interactive Tableau dashboards from market data and fuel statistics, enabling more informed decision-making and enhancing whitepaper and marketing content effectiveness by 30%.
- Streamlined daily database management in Excel, including cleaning and updating the index database, reducing data errors by 25% and ensuring reliable, up-to-date datasets for business operations.
- Collaborated with an Agile Scrum team, participating in daily stand-ups, sprint planning, and backlog refinement using JIRA, which improved sprint delivery timelines by 15% and enhanced cross-functional team collaboration.

EDUCATION

The Wallace E. Carroll School of Management at Boston College

Chestnut Hill, MA

Bachelor of Science in Management

May 2021

Concentration in Finance and Entrepreneurship

- BC Investment Club Stock Analyst, Finance Club, Outdoor Adventures, Finance Academy, LABC, Shea Entrepreneurs
- Relevant Coursework: Computers in Management, Python for Data Analysis, Intro to Statistical Programming,, CS50

St. John's School

High School Diploma

Houston, TX

- Investment Club (President), CEO of Young Investors of Texas, SAT: 1500/1600

May 2015

SKILLS

- Cloud: AWS, CLI, EC2, RDS, S3, Route53, VPC, CloudFront, Grafana
- Terraform, Ansible: Infrastructure as Code for automated provisioning and configuration management
- Jenkins – CI/CD Pipeline creation and management, build automation, deployment orchestration
- Kubernetes, Docker - Pod and Deployment Management, Container Networking, Container Security
- Python, Linux Bash – Scripting and automation for process optimization
- Git, GitHub, Actions – Version control and collaboration
- Networking: Subnetting, CIDR, TCP/IP, UDP, SSH, DNS, DHCP, NAT VPN, VPC, Internet Gateway, Route Tables, Load Balancers, Security Groups, Network ACLs, OSI/TCP stack, IP addressing, Port Forwarding, Routing protocols, Network troubleshooting, Firewall configuration
- Tableau – Data cleaning and transformation interactive visualizations and dashboards,
- UI/UX – Design and prototyping with Figma
- Cloud-Native – Container deployments, streaming, and monitoring
- Agile/Scrum – Sprint management and team collaboration
- SQL: CRUD, Joins, Table Management
- AI: Cursor, Vercel, APIs, AUTH

PROJECTS

AWS Cloud Resume Challenge

December 2024

- Created a CI/CD pipeline with AWS CodePipeline to automate updates of the website
- Utilized the AWS CLI to deploy CloudFormation templates to build the backend infrastructure
- Initiated a second, global hosting of the website with AWS CloudFront, Route53, and S3

AWS Infrastructure Projects

March 2021

- Deployed a microservices application on Amazon EKS using Kubernetes, managing container orchestration, autoscaling, networking, and service discovery.
- Deployed a 3-tier e-commerce application on AWS EC2 (web, application, database layers), handling load balancing, auto scaling, and secure connectivity between tiers.
- Deployed a Docker-based voting app on AWS EC2, containerizing services, configuring orchestration, and enabling streamlined deployment pipelines.

Python Data Science and RESTful APIs

March 2021

- Used Python to scrape data from 42Floors, conducted real estate valuation analysis using Census Bureau API and other Public
- API data sources like square footage to calculate key metrics for the purpose of approximating building capitalization rates
- Advised by Professor Reuter and given suggested valuation for coding project if pursued as startup of \$100,000

Tableau Dashboards

March 2021

- Built numerous business style dashboards using Tableau Public including KPIs, mapping, data preparation, LOD calculations, and table calculations in advanced data analysis for corporate reporting and data insights
- Example Work: <https://public.tableau.com/profile/joseph.kang6678#!/?newProfile=&activeTab=0>

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (SAA-C03)

March 2025

- This certification validates technical knowledge and skills across a wide range of AWS services

AWS Certified Cloud Practitioner (CLF-C02)

August 2024

- Earners of this certification have a fundamental understanding of IT services and their uses in the AWS Cloud.

Tableau Desktop Specialist and Certified Associate

March 2021

- Validates foundational and also intermediate skills in Tableau Desktop and data analytics, enabling the creation of insightful visualizations and dashboards

Certified Scrum Product Owner® (CSPO®) – Scrum Alliance

May 2021

- Earners of the Tableau Desktop Specialist title use their foundational knowledge of Tableau Desktop and data analytics to solve problems and have a fundamental understanding of IT services and their uses in the AWS Cloud.

ACCOMPLISHMENTS

Deloitte Consulting Case Competition Finalist

February 2016

- One of 4 teams out of 30 contestants selected as finalists at BC to present consulting case in front of firm leadership

Licensed Minister for the UPCI

March 2021-May 2023

- Conducted meetings in preparation for assisting meetings and camps for children in the Houston area