JOEL ▮▮▮▮▮▮

Cloud Solutions Architect & AI Agent Developer

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SUMMARY

A Solutions Architect & DevOps/Cloud Engineer with proven expertise in designing and implementing high-availability architectures. I leverage deep knowledge in Pre-Sales, Cloud, and DevOps, adeptly utilizing open-source resources, including cutting-edge AI tools like LangChain, to deliver robust business solutions in an increasingly agentic world. Collaborating effectively with cross-functional teams (sales, engineering, project management), I seamlessly integrate machine learning and AI capabilities into scalable cloud infrastructures. I specialize in building cloud-based applications utilizing AWS (including Lambda), Oracle Cloud, Azure networking services, Terraform, Typescript, Python and Go Programming Language.

EXPERIENCE

Cloud Solutions Architect - DevOps & AI Agent Developer

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📅 01/2021 - Present   📍 ▮▮▮▮▮

Working as a consultant and contractor for various type of projects, spanning management, development, Machine Learning, Data, Security, and financial services.

- Developed enterprise architectural blueprints and descriptive documentation, laying the groundwork for scalable and AI-ready cloud infrastructures.
- Subject-matter expert in cloud technology during pre-sales meetings, effectively communicating the value proposition of integrated cloud and AI solutions.
- Conducted comprehensive cloud assessments for clients, identifying optimization opportunities and recommending best practices.
- Deployed AI-powered solutions to Both Azure and Google Cloud Platform (GCP), utilizing and fine-tuning Gemini models for various generative AI applications.
- Developed Multi-tenant SaaS solutions using the latest technologies.
- Implemented CI/CD pipelines, enabling continuous integration and automated deployments for e-commerce platforms built in ReactJS, AWS Lambda & Postgres.
- **Technologies used:** Golang, Django, Typescript, Terraform, Jenkins, GitHub Actions, VMware, VPC, Azure AD, Docker, Kubernetes, AWS EKS, Apache Airflow, n8n, LangChain, ReactJS, AI Models, TensorFlow, PyTorch, Apache Spark, Apache Kafka and Hugging Face Transformers.

Senior Software Engineer

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📅 2018 - 01/2021   📍 ▮▮▮▮▮▮▮▮▮▮

Function as member of systems and architecture teams within a cross-functional software product organization, liaising between business stakeholders and engineering teams.

- Implemented security measures, including authentication and authorization mechanisms, using tools like **SIEM, Firewalls, and EDR**, to protect sensitive data.
- Designed and executed cloud migration plans, minimizing downtime and ensuring a smooth transition for diverse workloads. This involved leveraging cloud-native migration tools, data transfer services, and automation scripts. We also incorporated virtualization technologies like VM KVM, Libvirt, OpenStack and Ansible for efficient handling of virtual machines during the migration process.
- Developed automation scripts and templates for Infrastructure as Code (IaC).
- Conducted performance analysis and optimization of critical system components, resulting in 60% improvement in response times.
- Developed CI/CD process on Jenkins, utilizing Kubernetes and Docker.

EDUCATION

MS Computer Science

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📅 2014 - 2016

BS Computer Science

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📅 2008 - 2013

SKILLS

Azure Traffic Manager	Azure VM	AWS ELB/ALB
Azure AKS	AWS EKS	Azure Monitor	Azure AD
Azure Security	Azure Landing Zone	AWS Lambda
Golang	Kubernetes Engine	DDoS protection
GCP GKE	Virtualization (VMware)	Citrix Architect
Oracle	Cybersecurity	GPU Instances	AutoML
AI Models	AI Agent Developer	Apache Beam
Pre-Sales	Python	Terraform	Jenkins
Github Actions	Docker	Django	PostgreSQL
AI/ML	n8n	TensorFlow	LangChain
CrewAI	LlamaIndex	Apache Spark	Databricks

INDUSTRY EXPERTISE

Amazon Web Services

GOOGLE CLOUD PLATFORM (GCP)

Microsoft AZURE

LANGUAGES

English
Native

OTHER EXPERIENCES

💎 **Python System Analyst**
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- Created automation scripts using Python to streamline repetitive tasks.
- Participated on Data migration processes.

💎 **Back-End & DevOps Engineer**   ▮▮▮▮▮
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I focused on data engineering by building robust data pipelines and API using Kafka, SQS, SNS, and Python.