

KAMAL KUMAR R

AI Engineer • Solution Architect • Full Stack



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Skills

Javascript, Python, Rust, C#, Scala, Java, Shell

Express, FastAPI, ReactJS, NextJS, Spring-Boot, .Net

PostgreSQL, MongoDB, MeiliSearch, Elasticsearch, CosmosDB, DynamoDB

Kubernetes, Docker, Ansible, Jenkins, Terraform, ADO

Git, npm, pip, maven, nuGet, SSH, Linux utilities

Azure: OpenAI, Cognitive Services, VM, Container Apps, Functions, Storage, Entra, Service Bus, Logic Apps, KV, Log Analytics

AWS Certified Solutions Architect Associate
EC2, Lambda, ECS, Fargate, S3, EBS, EFS, IAM, RDS, Athena, Kinesis, SQS, SNS, VPC, CloudFormation, CloudWatch, CloudTrail, EMR, CodePipeline

References

Amit Gawali
Head of Engineering,
Aon Data & Analytics
amit.gawali@aon.com

Nilesh Kabra
Sr. Director, CJ
nilesh.kabra@cj.com

Professional Experience

Aon

Lead AI Engineer

Apr '25 - Present

- **Architect** solutions for the **Colleague AI** initiative, enabling safe and responsible **democratization of AI** across the organization
- Designed, built and shipped an **MCP-based RAG** solution serving as a modular knowledge source for **domain-specific assistants**.
- **Scaling the team** to establish Bangalore as the Aon's **AI GCC**
- **Lead the development and delivery** of **AonGPT**, an AI-powered chat application with RAG built with **Express, ReactJS** and **FastAPI**
- **Scaled** AonGPT to **60,000 colleagues** globally while keeping inference costs under **\$1 per user per month**
- **Lead engineering** efforts for a few other core **AI initiatives**

Senior Software Engineer

Dec'24 - Mar'25

- Worked on the **platform initiative** at Aon's STG division. Built the **first PoC** for a platform based approach to engineering.
- Took **ownership** of the **Client Self Service Portal**. Built, delivered and maintained features for the **.Net + ReactJS** app fortnightly.
- **Implemented analytics** in the application to identify user patterns which in turn helped **drive product** direction
- Built **Terraform modules** to standardize **infra patterns**, enabling **faster deployments** while enforcing **governance**

CJ - Epsilon

Software Engineer 2

Apr '23 - Dec'23

- Brought **production AWS costs down by 20%** through data archival policies for S3, scaling Kinesis sharding and optimizing OpenSearch
- Re-provisioned the entire **AWS development infrastructure** to **optimize** resources leading to an **80% reduction in cost**
- Identified and **eliminated bottlenecks** in the product processing pipelines, leading to a **100% increase in performance**
- **Guided interns** in on-boarding and fostered their transition into professional roles by teaching **principles of maintainable code**

Software Engineer 1.

Aug'21 - Mar'23

- Responsible for implementing new **features** using **ReactJS** on the **products dashboard** and other parts of the **CJ platform**
- Implemented **query** and **mutation GraphQL** API using **Sangria** framework to interact with the product data store (**Elasticsearch**)
- Orchestrated the **migration** of an on-prem **Elasticsearch** to **AWS**
- Setup **replication** and **security** for legacy **MongoDB** instance to improve **resiliency** and **availability**

Achievements

- Earned recognition at every level of Aon's Employee Recognition Program (Diamond, Platinum, Gold, Silver)
- Domain Expert in the winning team at Aon ThinkIdeanovate, 2025
- Chess Champion in Aon Sports Fest, 2024
- Rising Star Award (2022) at CJ's Global Dare to Think Big Awards

Academics

- **Master of Science (Aerospace)**
IIT Madras
CGPA - **8.04**
(2019)
- **Bachelor of Engineering (Aeronautical)**
KCG College of Technology - Anna University
CGPA - **8.25**
(2015)