BINNY KOUL│ binny.koul@gmail.com │+91-9561520005

Cloud-Native Architect and full stack leader | 15+ years in Java, 9+ years in microservices, cloud, pcf, k8s, aws | Hackathon winner | Patent holder |GeniAI and GraphDb with AR/VR innovator.

Patent License No.:2024-0350-US01

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PROFESSIONAL SUMMARY

- Worked with Global Clients like JPMC, DBS, Credit Suisse, 3M, Friends Life and Northwestern Mutual as **Cloud Architect, Full Stack Lead Developer**, **Business Analyst and Solution Delivery Analyst**.

- Patent holder (IDF-2024-0350-US01) [G&B Ref. P71796] filed for METHOD AND SYSTEM TO PROCESS GRAPH DATABASE QUERIES on 28 Jan 2025 with the U.S. Patent & Trademark Office (USPTO) via JPMC and I'm certified **Pivotal Cloud Foundry** Developer and have experience in **AWS & Microsoft Azure**.

- I have extensive experience of developing software-as-a-service apps with demonstrated ability in **Cloud Native Apps, Core Java, Spring Boot, Spring Cloud, Hibernate, Microservices,12 Factor app, AWS, Pivotal Cloud Foundry platform, k8s, docker, JavaScript, jQuery, neo4j, kafka, CI/CD**. Used AWS service like **AWS S3, EMR, GLUE, Athena, Lambda, Step functions, ECS fargate**. Experience in **Codium** and **Copilot** for day-to-day development/ code reviews and testing. Used llm llama2 for hackathons.

- Successfully delivered trainings in JPMC, Capgemini and DBS on microservice implementation and latest tech emerging tools.

- Actively participate in hackathons and tech conferences across India and Singapore to keep an update of emerging technologies and products. Winner of JPMC - CT Hackathon 2024. Among top 10 teams in Global hackathon in JPMC Mumbai in 2023/24.Part of tech innovation teams like DBS GANDALF.

- Strong in presentation and communication skills, with an ability to impress/ influence senior stakeholders & peers.

- Committed to CSR and DEI initiatives, including Women who code, Code for good, Force for good initiatives in JP Morgan, India. Worked for underprivileged children and old age home across India and Singapore. Meditation practitioner.

TECHNICAL SKILLS

- **Languages:** Java 17, Kotlin /C++/ Scala/Spark(basics)
- **Platforms:** AWS, AZURE, PCF, Kubernetes
- **Frameworks & tools:** Spring Boot, Spring Batch, Spring Cloud and other Spring modules, JPA, Junit, PDF box, Jaser-Reports, Oracle Endeca Experience Manager, EBX-5(MDM tool), Restful API design, Open API definition (swagger) , JWT, OAuth, API keys, Kafka, IntelliJ, STS, Eclipse, Bitbucket, GitLab, SonarQube, Jenkins, SqlDeveloper, Dbeaver, Grafana, Splunk, Kibana, AppDynamics
- **Database/ Graph Database:** MySQL, MariaDB, Oracle 11g, MongoDB, SQL, Neo4j.
- **GenAI + AR/VR:** Codium, copilot, llm suite, llama2, openai, blender, unity.
- **Design & Collaboration tools:** Lucid charts, EA, draw.io, gliffy, Figma, postman, swagger, jira, confluence
- **Management & Leadership Skills:** Worked as Development Lead for a team of 15. Prior role involved handling team of 6 and working as a tech/ architect lead for cloud based solutions.

PROFESSIONAL EXPERIENCE

JP Morgan, Mumbai & Bangalore [Dec 2020 – Present]

AVP, Full stack Developer (Apr 2023 - Present)
- As Part of modernization journey developed microservices and deployed to production while connecting to product and dev teams for making the changes available in prod. Using codium/ copilot for day to day activity
- Utilizing databricks for db modernization and utilizing aws services and terraform for infrastructure deployment. Using Jenkins for CI and spinnaker for CD.

AVP, Cloud Solution Architect/ Lead (Dec 2023 – Mar 2023)
- Moving applications and providing enterprise data solution to on-prem and off-prem data lakes on cloud.
- Design & architect solutions to migrate data from on-prem databases and ETL tools to AWS using serverless architecture principle. Used EMR, GLUE, Athena,
- Migration of monolithic applications to Spring Boot 2 using microservice architecture on cloud platform.

Capgemini, India & Singapore [Aug 2016 – Dec 2020]
Cloud Application Solution Architect/ Lead
- Led migration of monolithic applications to microservice.
- Worked with architecture team on EA for enterprise architecture solution for Prudential Singapore
- APIM management service migration from IBM connect to Microsoft Azure.
- Part of DBS innovation team GANDALF.
- Design & development of DBS in-house product directly assessed by DBS CEO for corporate credit loans under credit architecture program which digitalizes 50 years old manual process using microservices.
- Design & development of real time loan disbursement application [LSMS] for DBS DIGI Bank App implementing microservices in parallel by which the time to market was reduced a lot.

Cognizant Technology Solutions, Pune [Feb 2014 – Aug 2016]
Senior Consultant
- Developed e-commerce platform for 3M commercial products.
- Worked in Agile for the product implementation and implemented micro-services from monolithic project.

Wipro Technologies, India & UK [May 2010 – Feb 2014]
Solution Delivery Analyst
- Coordinated onsite projects and ensured compliance with regulations.

EDUCATION & TRAININGS

Bachelor of Engineering in Computers, 2009	MIT College Of Engineering, Pune University	Distinction
June,2008 – April,2009	Tata Consultancy Services (TCS)- TRDDC PUNE	Network Tomography Toolkit Development