



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

<https://www.linkedin.com/in/binny-koul-06295226/>

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.** Experience in **Codium** and **Copilot** for day-to-day development/ code reviews and testing. Used Llm llama2 for hackathons.
- Hands-on project experience in Enterprise Architecture, Systems Integration, Full- Stack Development and Enterprise Landscape Modernization.
- Have been involved in the entire project life cycle starting from requirements gathering to design to implementation to deployment in production.
- Specialized in working in **Agile** methodology for software development.
- Specialized in providing solutions and handling multiple teams.
- 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 and 2024. Part of tech innovation teams like DBS GANDALF.
- Good analytical, problem solving and communication skills.
- Ability to learn and adapt new technologies in short time.
- Dedicated to involve in workshops and internal business development and open for business travels to implement/ receive any trainings.
- Strong in presentation and communication skills, with an ability to impress/ influence senior stakeholders and peers.
- Good team player with excellent interpersonal skills, positive attitude
- 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

Operating System	Windows, Linus, Mac
Primary Languages	Java 17, R(basics), Kotlin(basics),C++, Scala(basics),Spark(basics)
Platform	Pivotal Cloud Foundry [PCF], Amazon Web Services(AWS), Microsoft Azure, Linux, Kubernetes
Web technologies	JavaScript, TypeScript
Framework	Spring Boot, Spring Batch, Spring Cloud and other Spring modules, JPA, Junit, PDF box, Jaser-Reports, Oracle Endeca Experience Manager, EBX-5(MDM tool)
Technologies	Restful API design, Open API definition (swagger) , JWT, OAuth, API keys, Kafka, IntelliJ, STS, Eclipse, Bitbucket, GitLab, SonarQube, Jenkins, SqlDeveloper, Dbeaver, 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

Functional SKILLS

Management and Leadership Skills	Worked as Development Lead for a team of 15. In Prior role, was handling team of 6 and working as the tech/architect lead for cloud-based solutions.
---	---

Trainings

Place of Training	Duration	Topic
Tata Consultancy Services (TCS)- TRDDC PUNE	June,2008 – April,2009	Network Tomography Toolkit Development

Work Experience

Company	JP Morgan, India [Mumbai] [Jan 2023 – till now]
Role	AVP, Full stack Developer (IC Role)
Responsibilities / Engagements	<ul style="list-style-type: none">• Creating microservices and deploying these to Kubernetes.• End-to-end development and deployment to production.• Connecting to product teams and development team for making the changes available in production.• Using codium and copilot for gen AI capabilities.
Tech Stack	Aws services used are ECS, Lambda, step functions, S3, SNS, SQS. Terraform for IaC. Kafka, Apache airflow and Databricks basics. Using PCF and Kubernetes for PAAS and CAAS development. Jenkins and spinnaker for CI/CD.

Company	JP Morgan, India [Bangalore] [Dec 2020 – Dec 2022]
Role	AVP, Cloud/ Big Data Application Solution Architect/Lead
Responsibilities / Engagements	<ul style="list-style-type: none"> 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. Migration of monolithic applications to Spring Boot 2 using microservice architecture on cloud platform.
Tech Stack	<p>Aws services used are AWS S3, Glue, Athena, EMR, Redshift.</p> <p>Used basic Scala, spark, python for transformations. Using PCF and Kubernetes for PAAS and CAAS development.</p>

Company	Capgemini, India [March 2020 – Dec 2020]
Client(s)	Prudential, Singapore
Role	Cloud Application Solution Architect/Lead
Responsibilities / Engagements	<ul style="list-style-type: none"> Design & development and architecture for Prudential Singapore. Working with architecture team on EA tool for enterprise architecture solution for prudential Singapore. Migration of monolithic applications based on Struts, Spring 2 to Spring Boot 2 using microservice architecture on cloud platform. APIM management service migration from IBM API connect to Microsoft Azure APIM. Handling a team for the workflow project.
Tech Stack	Java 8, Spring Boot 2, Spring Cloud/Data, PCF, Azure, EA, Junit, Mockito, IBMMQ, MariaDB, Jenkins [CI/CD], Bitbucket, Jira

Company	Capgemini, Singapore [Aug 2016 – Feb 2020]
Client(s)	DBS, Singapore
Role	Cloud Application Solution Architect/Lead
Responsibilities / Engagements	<ul style="list-style-type: none"> 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. Integration with APIs of OLA, PAISABAZAAR, Finacle and FINTECHS like Credit Vidya, Perfios. Migration of monolithic applications based on Struts, Spring 2 to Spring Boot 2 using microservice architecture on cloud platform. Developed applications for digitalization of DBS back office Credit workflow. Part of DBS GANDALF [Innovation] team.
Tech Stack	Java 11, Java 8, Spring Boot 2, Spring Cloud/Data, PCF, Type Script, Java Script, jQuery, CSS, Web Components, Junit, Mockito, IBM MQ, MariaDB, Jenkins [CI/CD], Bitbucket, Jira
Company	Cognizant Technology Solutions [Feb 2014 – Aug 2016]
Client(s)	3M

Role	Senior Consultant
Responsibilities / Engagements	<ul style="list-style-type: none"> Developed e-commerce platform for 3M commercial products. Worked in Agile for the product implementation and implemented micro-services from monolithic project. Interaction with client's PO for functionality & user story estimation. Involved in fixing UAT defects, BPT (Business Process Testing) defects and production defects as well.
Tech Stack	Java, J2EE, Spring, Oracle Endeca Experience Manager-eCommerce, Endeca Workbench, JUnit, JBOSS, MVN, Git
Company	Wipro Technologies. [May 2010 – Feb 2014]
Client(s)	Credit Suisse, Friends Life (UK)
Role	Solution Delivery Analyst
Responsibilities / Engagements	<ul style="list-style-type: none"> Prepare credit Suisse physical data model using EA data modelling in Orchestra Network Tool (EBX-5 MDM Tool) Worked as onsite coordinator for Friends life rebranding project with 7 products and a team of 15 members. Worked on product to ensure Friends life remain compliant with FSA regulation for phase a and b both in C++ as well as Java . Worked as a solution delivery analyst for FSA investment program functionality. Development and enhancement for many modules of the application and ensuring 100% test result. Involved in unit testing, system integration testing, interfacing with support and build teams, Onsite coordination across region.
Tech Stack	Java, Servlets, Spring, Spring-batch Hibernate, JSP, CSS, Junit, C++, IBM DB2, Powerbuilder, MVN, MDM

Academic Background

Degree and Date	Institute	Specialization	Grade
Bachelor of Engineering 2009	MIT College Of Engineering, Pune University	Computers	Distinction
H.S.C(12th) 2005	S.M Jain Higher Secondary School, Jammu, J&K Board	Science	Distinction
S.S.C(10th) 2003	D.B.N Vidya Mandir, Jammu, J&K Board	Science	Distinction