



Arun Kumar

Lead Technical Architect

Professional Summary

Full-stack software developer and architect with more than 10 years of experience. Experience designing, building and maintaining complex, fault tolerant and scalable software systems.

Experience migrating on-premise software solutions and databases to AWS cloud. Experience migrating micro-services from EC2 to EKS. Experience designing and building server-less applications using AWS Lambda, API Gateway, S3, DynamoDB, Cognito etc.

Experience handling end to end life-cycle of software, starting from requirement gathering, refinement, designing, development, testing, security approvals, deployment and production releases.

Experience leading team of 10+ full-stack developers across geography.

Experienced with the latest cutting edge development tools and technologies. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

Certificates

AWS Developer Associate, Amazon Web Services

Certified Kubernetes Application Developer, CNCF

Big Data - Hadoop Developer, Edureka

Oracle Certified Java Professional, Oracle

Employment History

Lead Technical Architect at MiRus, Gurgaon

November 2021 — Present

- Leading Software Engineering team in India, working as Technical Architect for RPM (Remote Patient Monitoring) and Surgical Planning applications.
- Implemented coding best practices in RPM backend API. Enhanced test coverage, included test containers, included flyway db migrations.
- Deployed and released 1st version of RPM physician web app and patient mobile app.
- Implemented IaC using Terraform for mobile backend (serverless lambda architecture)
- Currently designing high level and low level architecture of surgical planning application.

Lead Consultant at Xebia IT Architects, Gurgaon

January 2021 — November 2019

Personal Details

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Skills

System Design

Software Architecture

Amazon AWS

Docker, Kubernetes

Terraform

Java

Python

Spring, Spring Boot

Hibernate, JPA

Angular, React

HTML/CSS/JavaScript

Links

[Linkedin](#)

[GitHub](#)

- Working productively with Product Team to understand requirements and business specifications around Loyalty Program.
- Effectively designed and coded software changes and alterations based on new requirements.
- Worked to solve complex problems using Spring Boot, MongoDB, OAuth2, JWT, Okta, AWS Lambda, SNS, GlueJobs, Redshift, DMS, API Gateway etc.
- Responsible for code/requirements reviews for backed and front-end applications.
- Currently planning to migrating monolith service to micro-services architecture and migrating workloads from EC2/ECS to EKS.
- Involved in taking interviews for open roles across projects.
- Mentoring team members of different teams on design and development aspects.

Manager at Macquarie Global Services, Gurgaon

March 2018 — January 2021

- Mentored team of 10+ full-stack developers on design, development, security and clean code practices.
- Designed and developed the Risk & Compliance Service from scratch.
- Designed high level and low level application and cloud architectures.
- Responsible for end to end development, build, deployment and release to production going through different security reviews and approvals.
- Used technologies like, Spring Boot, JPA, Microservices, Cloud Functions, Java 11, Multithreading, MySQL, Functional Programming, Drools Rule Engine, AWS Lambda, EC2, AWS Cloudwatch, AWS KMS, AWS CodeDeploy, AWS S3, Sumologic, AppDynamics, ReactJs, Angular 9, amCharts, BootstrapCSS.
- Created CI pipeline to deploy code to AWS.
- Code/requirement reviews, for other projects as well.
- Responsible for identifying and fixing defects and performance issues.
- Involved in taking interviews for open roles.
- Supporting project in the testing phases (TEST/LAB/PROD).

Tech Lead at IBS Software Service, Gurgaon

December 2016 — March 2018

- Involved in requirement analysis and coordinated with onsite team to freeze the requirements of iTravel (Hotel, Rail and Coach) modules.
- Responsible for end to end development of the application for the modules undertaken.
- Identify bottlenecks and bugs in the application and devise solutions to these problems.
- Code review and merge to GIT.

- Technologies used: Java 8, Spring, Spring Cloud, Hibernate, Json, Drools Rule Engine, Apache Camel, SOAP/REST web services, JavaScript, Angular JS, JavaScript, HTML, CSS.
- Responsible for identifying and fixing defects and performance issues. Supported the project in the testing phases.

Senior Associate at Sapient, Noida

May 2015 — December 2016

- Worked on implementing multiple features like role based internal redirection, AEM components design for Goldman Sachs.
- Developed data lake aggregation layer (Data Engine) used by multiple application on scale.
- Responsible for query optimization and fixing performance issues at application and DB levels
- Technologies used includes Core Java, IntelliJ, Spring Framework, Rest, Micro-services, Gson, Json, Sybase, PLSQL, Vert.x, Java 8, Angular, Typescript/JavaScript, HTML, CSS etc.
- Supported the project in the testing phases.

Software Engineer at IDEMIA (previously Syscom Corp. Ltd.), Noida

June 2011 — April 2015

- Worked on multiple SIM Tool Kit applications.
- Responsible for specification, design and code reviews.
- Technologies used: JSP, Spring MVC, Hibernate, Java 7, Multithreading, RESTful web services, JavaScript, HTML, CSS, 3GPP TS 03.48. Supported the projects in the testing phase.
- Part of R&D team responsible for research and building PoCs based on specifications.

Education

Master of Technology, Gautam Buddha University, Greater Noida

August 2009 — June 2011

Bachelor of Technology, IIMT College of Engineering, Greater Noida

August 2005 — May 2009

References

References available upon request