Amit Kumar Gupta | Technical Architect

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PROFILE

Results-oriented Technical Architect with over 11.2 years of experience in designing and leading the development of cutting-edge software products. Proven expertise in DevOps, architecture design, team leadership, and delivering end-to-end solutions. Excels at driving innovation, optimizing processes, and ensuring product quality. Passionate about contributing to organizational growth while continuously learning and evolving.

EDUCATION

UTTAR PRADESH TECHNICAL UNIVERSITY — *B.Tech* Computer Science & Engineering (67.9 %)   June 2013

SKILLS

LANGUAGES: JAVA (J2EE), CORE JAVA, REACT JS , ANGULARJS, JQUERY, VERTEX, KOTLIN, DATA STRUCTURE & ALGORITHMS, PYTHON, AI ML
FRAMEWORKS: SPRING AI, SPRING MVC, SPRING BOOT, SCALA,VERTEX, MICROSERVICES, MULTI THREADING, MODULAR MONOLITH,DJANGO,REST API
PLATFORMS: Windows, MAC-OS, UBUNTU,UNIX,Docker
AI MODELS : BERT, LLAMA2, OLLAMA, ALBERT, MEGATRON-LM,ERNIE,LLAVA,XLNET
INFRASTRUCTURE: AWS(Amazon Web Services), GCP(Google Cloud Provider), KUBERNETES(K8), ECS, RDS, Elastic Search, RabbitMQ **VCS:** SVN, Git Repository, Bitbucket , Kafka, Redis PubSub, Redis Streams, Kinesis, Object Oriented Programming, Scalability, Consistency, Architecture, Tomcat, Kubernetes, Hadoop.
DATABASES: MySQL, MongoDB, (use of Memcache), DynamoDB, Kafka, Redis,NoSQL,SQL,Big Query, GraphQL,AmazonRedShift
METHODOLOGY: AGILE DEVELOPMENT,RETROSPECTIVES, SPRINT GROOMING,PLANNING,COLLABORATE,GUIDANCE,SECURITY,SOFTWARE DEVELOPMENT
INDUSTRIES : Fintech,Digital Marketing,Airline Domain,Entertainment & Media, SAAS, ERP, Social Media, Customer Support, Education Industry

WORK EXPERIENCE - 11.2 Years

Hilabs India Pvt Ltd | Technical Architect   *October 2023 - PRESENT*

Working as Technical Architect, since October, 2023. Architected, led and developed the SAAS product from scratch for HiLabs. Moved from Legacy project code base to Microservice product based code, along with AI . Made the SAAS based platform, & productised around 4 products.
Projects : Roster Automation, Network Adequacy, Provider Revamp, Contracts AI
Major Contributions :
- Pioneered the foundation of a SAAS model for the company's flagship product, enhancing scalability and market reach, with AI Capabilities. Lead and Managed a 20-members throughout the development lifecycle, consistently delivering projects on time with scalable, security driven and reliable infrastructure following software development life cycle(SDLC), setting there KPIs & KRAs
- Ensured high data accuracy and effective roster management, leading to improved operational efficiency.
- Established robust coding standards for the backend, promoting consistency and quality across the organization.
- Successfully migrated the entire legacy codebase to Java within 2 months; built and led a team of 14 developers from scratch.
- Designed and implemented a microservices infrastructure, leveraging Kubernetes clusters and containerization to optimize the codebase.
- Transformed internal projects into scalable, client-ready products, driving growth and customer satisfaction.
- Collaborated closely with Product Managers, Designers, and senior leadership, including CTO and CEO, to drive product innovation and development.
- Enhanced DevOps processes and delivery cycles, significantly improving the speed and reliability of product releases.
- Utilized GPU computing to accelerate data processing and enhance the performance of data-intensive applications
- Developed and optimized data engineering pipelines, ensuring efficient data processing and integration.
- Developed and optimized data engineering pipelines, including ETL processes, data warehousing, and real-time data streaming.
- Integrated various data sources and performed data cleaning, transformation, and loading to support business intelligence and analytic

Muthoot Fincorp Ltd, Bangalore| Principal Engineer   *July 2022 - August 2023*

Working as Principal Engineer(Associate Director) , since July, 2022. Architected, led and developed multiple products from scratch for Muthoot. Moved from Legacy to FinTech organization by working on latest tech and making the biggest service for **Muthoot,Gold Loan from Home.** Also the app based service,called Loan Manager App.The entire end-end journey where the loan is disbursed to the customer in 30 mins at home.
Projects : GLFH V0, GLFH V1 app based. Loan Manager, Payment Integrations, KYC integration, Penny Drop services. Payment processes, Lead Aggregator
Worked on Agile Methodology, 2 week sprints. PM, Business, Marketing , CTO and Director stakeholders Interaction and completing the business requirements in stipulated amount of time.
Major Contributions :
- Lead and spearheaded the development of multiple products from inception to deployment, including "Gold Loan from Home", "Loan Manager App", "Lead Aggregator","Penny Drop" and "Payment Integration".
- Transformed legacy systems into FinTech solutions using AWS EC2, RDS, Lambda, Java, MongoDB, and ReactJs.
- Lead and Managed a 12-members throughout the development lifecycle, consistently delivering projects on time with scalable, security driven and reliable infrastructure following software development life cycle(SDLC), setting there KPIs & KRAs
- Collaborated closely with stakeholders from PM, Business, Marketing, CTO, and Directors to meet business requirements.
- Designed secure, scalable, and auditable CI/CD pipelines integrating scanning tools like SonarQube, Checkmarx, Grafana, Sentry, Jenkins, Github and Java Basics of Memory management,Garbage collections, OOPs etc.
- Established coding standards and practices, improving overall code quality and code review processes.
- Demonstrated expertise in hiring, building teams, and fostering an efficient and motivated working environment.
- Lead technical decision-making, choosing cost-effective software solutions and driving engineering best practices.
- Guided new team members, managed recruitment efforts, and provided solutions to complex architectural challenges, and built automations using functional programming.
- Championed effective multi-threading, dependency injection, and microservices design patterns.

Khoros, Bangalore | SDE4 (Lead)   *Feb 2021-Feb 2022*

I held the position of SDE4 and Lead, assuming both individual and team leadership roles. My responsibilities encompassed end-to-end development, ranging from the local environment to production. During this period, I managed multiple projects, with a particular focus on implementing microservices architecture. Lead and managed a team of 4 people under my reporting structure.

- **ICB** : One of the core projects I contributed to was ICB, which employed Java 8 and Dagger for dependency injection. This project played a pivotal role in

the CARE system, handling a wide array of functions, including major developments of tags for incoming requests and data.

- **Lakehouse** : I was primarily involved in data manipulation. This initiative involved receiving, segregating, and transferring data from various sources to multiple Kinesis streams, which were subsequently consumed by other microservices. My role extended to enhancing and developing new BatchJobs for data processing.
- **AutoBots**: Architected, Another significant project I worked on was AutoBots, centered around automation and AIML (Artificial Intelligence Markup Language). In this project, we utilized Kotlin for creating chatbots for end customers. I played a crucial role in developing and enhancing chatbots and their features. Additionally, Java 11 and Lambda were employed as part of the AIML project.
- **Gopher, Switchboard, ML Processor, Omega, and Floodgate:** projects constituted a collection of microservices used for data interaction within the CARE infrastructure. My responsibilities included enhancing these microservices and promptly resolving any production issues that arose.
- In addition to project work, I played an instrumental role in guiding and mentoring new team members, ensuring the successful completion of their tasks. Moreover, I actively participated in the recruitment of new team members to support our project endeavors. My primary objective was to provide optimal solutions for various challenges without disrupting the existing project architecture.

Pokkt, Bangalore | Senior Software Engineer June 2019- November 2020

Senior Software Engineer at Pokkt Worked both individually and as part of a team on daily development tasks, covering the full development lifecycle from the local environment to production.Pokkt is merged with AnyMind Groups, to become a complete package with Digital Marketing Space.

- **CAKE (Ad & Offer Generation):** Contributed to an Ad & Offer generation project, facilitating the mapping of advertisements with various advertisers.Managed billions of requests per day to handle offers and ads on mobile devices.Successfully integrated a new advertiser, CAKE, into the system, streamlining asynchronous processes.
- **CRONS (Daily Reporting):Architechted,** Led the development of 120 cron jobs in a production environment, completing the project within six months.Utilized the Vertex asynchronous library to handle multithreaded tasks efficiently.Employed TypeSafe Config for configuration management and leveraged databases like MongoDB, Redis, and S3 data storage using Amazon V2 libraries.Facilitated data transfer between different databases (MySQL) to generate daily reports.
- **PokktCPE (Advertiser Integration):**Worked on integrating new advertisers into the platform using RESTful web services.Assumed responsibility for production deployment and testing, ensuring seamless advertiser onboarding.

In summary, during my tenure at Pokkt, I played a crucial role in projects such as CAKE, CRONS, and PokktCPE, which involved handling extensive data processing, asynchronous operations, and seamless advertiser integration. My contributions significantly contributed to the success of these projects.

Unisys, Bangalore | Senior Software Engineer June 2018- March 2019

Senior Software Engineer primarily responsible for the project cut-over and ensuring the successful deployment of entire modules to the production environment, specialized in back-end development.

Project and Methodology:
- Worked under the Agile methodology, focusing on back-end development.
- Project centered around the development of Airline cargo-related ERP systems for the airline industry.
- Replacing existing legacy systems with modern solutions (NG - Next Generation) incorporating the latest technology.
- Utilized a tech stack including Java, Spring MVC, WebServices, JSP, Maven, and Git.
- **My Role:**
  Worked independently as an individual contributor, overseeing specific products like CPS, DL647, and Adaptor.
  Ensured the functionality and code quality of these products met the highest standards.
  Managed a team of 3 individuals, providing guidance, training, and support in Java, Maven, Spring MVC, and Web services.
  Maintained daily interactions with clients to stay updated on their requirements and ensure a clear understanding of their needs.

CGI, Bangalore | Software Engineer Feb 2017- Dec 2017

- Primarily engaged in the "Advantage" project, a CGI product designed for government use, serving as a comprehensive ERP system for managing government purchases and orders.
- "Advantage" is a robust ERP solution akin to SAP but built on the Versata platform, making it a valuable tool for efficient government procurement and order management.
- Played a crucial role in addressing regular client-requested enhancements, ensuring that the system continued to meet evolving needs.
- Proactively identified and resolved day-to-day defects in coordination with the project team, maintaining system reliability and performance.
- Conducted Unit Testing (UT) and created BaseCM activities to facilitate smooth code delivery into the main code stream during each build.
- Actively participated in daily Scrum calls, integral to the Pro-Action project management framework, promoting effective communication and agile development practices.

Accenture, Bangalore | Software Engineer Jan 2014- Feb 2017

- Worked on the "GXP" project, primarily centered around creating a Fast Pass system for a theme park. This system allowed park guests to skip long queues and access park experiences at their convenience
- Made significant contributions to the project by developing two reusable components:
  - Significantly reduced the project's build time, optimizing overall project efficiency.
  - Designed and implemented a standalone application in CORE JAVA, enabling users to generate client reports in Excel format swiftly. This tool streamlined daily reporting tasks, reducing their duration from 2-3 hours to just 2-3 minutes.
- Worked in the "ASD for Workday" project, where the focus was on rendering the user interface (UI) for Workday Technology. The UI's scope encompassed the entire HR module for Workday.
- In summary, my tenure at Accenture Technologies involved contributions to the "GXP" project, where I developed two essential reusable components, significantly improving project efficiency. Additionally, I participated in the "ASD for Workday" project, focusing on UI implementation for Workday Technology's HR module

- Served as a Team Lead, undertaking a client-facing role that involved direct interaction with clients.
- Operated on the client's premises, collaborating closely with them to understand their specific requirements.
- Oversaw the setup of the company's ERP (Enterprise Resource Planning) solutions tailored to meet the client's unique needs
- Managed both the internal team and client requirements, ensuring that project objectives were met efficiently.
- Focused primarily on managerial responsibilities, orchestrating tasks, resources, and client communication to deliver successful ERP solutions.

METRICS SUMMARY

- Total Experience: 11+ years
- Number of Organizations: 7
- Leadership Roles: 4
- Projects Managed: Multiple across roles
- Teams Managed: 20-member team
- Awards: "APEX AWARD" for exceptional handling of work and value creation

- Development Contributions: Lead development of multiple products, integration of new features,from scratch
- Methodologies: Agile (consistent usage)
- Skills: Diverse technology stack expertise along with AI