

SARTHAK KANUNGO

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Education

Biju Patnaik University of Technology

Bachelor of Engineering in Information Technology

July 2000 – July 2004

Rourkela, Odisha

Profile Summary

12+ Years of hands on work experience following by SDLC and Agile, Scrum methodology in Java, Spring cloud, Spring Boot, Microservices, Rest API, Kafka, SQL, Hibernate, jQuery, ReactJS, Node JS, Angular, Bootstrap, Maven, MySQL, Jenkins, web technologies.

Experience

Mphasis Pvt. Ltd.

30 August 2021 – 11 December 2023

Delivery Module Lead

Bengaluru, Karnataka

- **Microservices & Java:** Designed and developed scalable Spring Boot microservices REST API CICD pipelines and Java 8 applications; optimized performance; mentored teams.
- **Containerization & Cloud:** Implemented Docker and Kubernetes solutions; managed cloud deployments across AWS, Azure, PCF, and GCP. Developed and optimized large-scale ETL (Extract, Transform, Load) data pipelines using Google Cloud Platform Dataflow to process and transform terabytes of data daily from various sources, including Google Cloud Storage, BigQuery, and Pub/Sub.
- **Architected and deployed cloud-native applications on AWS Cloud (PaaS) using ECS and Lambda with Java,** ensuring high scalability and availability.
- **Messaging & Caching:** Designed high-throughput systems using Kafka and RabbitMQ; utilized Redis for caching and real-time analytics.
- **Monitoring & Analytics:** Configured ELK stack for log aggregation, search, and visualization; ensured robust data analysis.
- **Leadership & Architecture:** Led development teams; architected scalable Java systems; guided technical strategy and best practices.
- **Web Technologies:** Developed and optimized Angular and Node.js applications; ensured high performance and code quality.
- **Generative AI Solutions:** Designed and deployed generative AI features within web applications to create innovative content and enhance interactive capabilities, leveraging Python and Django for effective implementation.

ObjectWin Technology India Pvt. Ltd.

14 September 2020 – 18 January 2021

Java Lead

Bengaluru, Karnataka

- **Java & Microservices:** Architected and built scalable Spring Boot microservices and Java 8 applications, optimizing performance and leading team mentorship.
- **Containerization & Orchestration:** Deployed and managed applications using Docker and Kubernetes for streamlined scaling and efficient operations.
- **Messaging & Caching:** Engineered high-throughput messaging systems with Kafka and RabbitMQ; implemented Redis for advanced caching and real-time data processing.
- **Developed microservices-based applications in Java** and deployed them on **AWS ECS** (Elastic Container Service), utilizing containers to ensure seamless orchestration and scaling.
- **Monitoring & Cloud:** Utilized the ELK stack for comprehensive log analysis and deployed solutions across multiple cloud platforms, including AWS, Azure, PCF, and GCP. Integrated GCP Dataflow with other GCP services such as BigQuery, Cloud SQL, Cloud Spanner, and Google Cloud Storage to enable seamless data movement and storage solutions.
- **Leadership & Architecture:** Directed development teams, designed robust Java system architectures, and set technical direction and best practices.
- **Web Technologies:** Created and refined Angular and Node.js applications, ensuring optimal performance and code integrity.
- **Machine Learning Integration:** Implemented machine learning algorithms to drive predictive analytics and data insights, utilizing Python and Django for seamless integration and performance optimization.

Data Glove IT Solutions Pvt. Ltd.

17 September 2019 – 11 March 2020

Senior Software Engineer

Bengaluru, Karnataka

- **Java and Microservices Development:** Created and optimized scalable Spring Boot microservices and Java 8 applications, improving performance and mentoring development teams.

- **Containerization & Orchestration:** Utilized Docker and Kubernetes for effective application containerization, deployment, and orchestration.
- **Built and maintained serverless applications using AWS Lambda and Java,** leveraging event-driven models with AWS services such as API Gateway, DynamoDB, and S3.
- **Messaging & Caching:** Built robust messaging systems with Kafka and RabbitMQ, and implemented Redis for advanced caching and real-time data processing.
- **Cloud Solutions & Monitoring:** Deployed applications across AWS, Azure, PCF, and GCP, and set up ELK stack for comprehensive log monitoring and analysis. Designed efficient data models and implemented real-time streaming and batch processing pipelines leveraging GCP Dataflow and Apache Beam SDK with Java and Python.
- **Leadership & System Architecture:** Directed development teams, designed scalable Java system architectures, and established technical strategies and best practices.
- **Web Technologies:** Developed high-performance web applications using Angular and Node.js, focusing on code quality and application efficiency. Developed and maintained scalable web applications using Python and Django, integrating machine learning models and generative AI to enhance functionality and user experience.

IQVIA RDS (India) Pvt. Ltd.

28 September 2017 – 17 August 2018

Senior Software Engineer

Bengaluru, Karnataka

- **Java & Microservices Engineering:** Architected and built robust Spring Boot microservices and Java 8 applications, enhancing performance and guiding team development.
- **Containerization & Orchestration:** Deployed and managed containerized applications with Docker and Kubernetes, streamlining scalability and operational efficiency.
- **Optimized the performance and scalability of Java-based applications** deployed on **AWS ECS** and **Lambda**, using auto-scaling and load balancing to meet traffic demands.
- **Messaging & Caching Solutions:** Designed and implemented high-throughput messaging systems using Kafka and RabbitMQ, and employed Redis for effective caching and real-time analytics.
- **Cloud Infrastructure & Monitoring:** Managed cloud deployments across AWS, Azure, PCF, and GCP, and integrated ELK stack for advanced log aggregation and analysis. Automated GCP Dataflow pipeline deployments using Terraform and Google Cloud Deployment Manager, reducing manual intervention and improving deployment consistency.
- **Technical Leadership & Architecture:** Led engineering teams, crafted scalable system architectures, and directed technical strategies to ensure adherence to best practices.
- **Front-End & Back-End Development:** Engineered dynamic web applications using Angular and Node.js, emphasizing optimal performance and adherence to coding standards.
- **API Development:** Built and optimized RESTful APIs using Python and Django, facilitating the integration of machine learning and generative AI functionalities with front-end and back-end systems.

KPIT Technologies Pvt. Ltd.

06 July 2016 – 21 July 2017

Technical Leader

Bengaluru, Karnataka

- **Microservices & Java Development:** Created and refined scalable Spring Boot microservices and Java 8 applications, focusing on performance optimization and team mentoring.
- **Containerization & Deployment:** Utilized Docker and Kubernetes to deploy, scale, and manage containerized applications effectively.
- **Implemented CI/CD pipelines** for continuous integration and deployment of **Java** applications to **AWS ECS** and **Lambda**, using AWS CodePipeline, CodeBuild, and CodeDeploy.
- **Messaging & Caching Systems:** Built robust high-throughput systems with Kafka and RabbitMQ, and leveraged Redis for enhanced caching and real-time data processing.
- **Cloud & Monitoring:** Deployed solutions on AWS, Azure, PCF, and GCP, and set up ELK stack for comprehensive log management and monitoring.
- **Leadership & System Architecture:** Directed development teams, designed scalable architectures, and drove technical excellence and best practices.
- **Web Development:** Developed and optimized high-performance applications using Angular and Node.js, ensuring high standards of code quality and efficiency.
- **Performance and Security:** Ensured high performance and robust security of applications by applying Python and Django best practices, while incorporating machine learning and generative AI to improve system efficiency and resilience.

Virtusa Consulting Services Pvt. Ltd.

09 January 2013 – 08 June 2016

Consultant-IT

Bengaluru, Karnataka

- **Java7 Expert:** Developed, optimized, and maintained robust enterprise applications, leveraging advanced language features, multithreading, concurrency, and design patterns while ensuring code quality, performance, and adherence to best practices.

- Spring MVC Specialist: Designed, developed, and maintained scalable web applications using Spring MVC framework, implementing RESTful services, dependency injection, AOP, and integrating with various databases and frontend technologies while ensuring optimal performance and security.
- Hibernate Expert: Developed and optimized database interactions using Hibernate ORM, implementing complex mappings, caching strategies, and query optimizations to ensure efficient data persistence and retrieval in enterprise Java applications.
- JPA Specialist: Designed and implemented robust, efficient database persistence layers using Java Persistence API, including complex entity mappings, JPQL queries, and transaction management, while optimizing performance and ensuring data integrity across enterprise applications.

Web Development Company Pvt. Ltd.

15 March 2012 – 15 October 2012

Software Developer

Bengaluru, Karnataka

- Java7 Expert: Developed, optimized, and maintained robust enterprise applications, leveraging advanced language features, multithreading, concurrency, and design patterns while ensuring code quality, performance, and adherence to best practices.
- Spring MVC Specialist: Designed, developed, and maintained scalable web applications using Spring MVC framework, implementing RESTful services, dependency injection, AOP, and integrating with various databases and frontend technologies while ensuring optimal performance and security.
- Hibernate Expert: Developed and optimized database interactions using Hibernate ORM, implementing complex mappings, caching strategies, and query optimizations to ensure efficient data persistence and retrieval in enterprise Java applications.
- JPA Specialist: Designed and implemented robust, efficient database persistence layers using Java Persistence API, including complex entity mappings, JPQL queries, and transaction management, while optimizing performance and ensuring data integrity across enterprise applications.

ITC Infotech India Ltd.

26 September 2011 – 03 February 2012

Associate IT Consultant

Bengaluru, Karnataka

- Java7 & Spring MVC Expert: Developed and optimized enterprise applications using advanced Java features; designed scalable web apps with Spring MVC, implementing RESTful services, DI, and AOP.
- Database Specialist: Mastered Hibernate ORM and JPA for efficient data persistence; implemented complex mappings, caching strategies, and optimized queries for high-performance applications.
- Full-Stack Integration: Integrated various databases and frontend technologies; ensured optimal performance, security, and data integrity across enterprise solutions.
- Best Practices Advocate: Leveraged design patterns, multithreading, and concurrency; maintained code quality, optimized performance, and adhered to industry best practices throughout development lifecycle.

Idea Brahma Consulting Pvt. Ltd.

15 December 2010 – 22 March 2011

Software Engineer

Bengaluru, Karnataka

- Java Expert: Developed enterprise applications using Java 5+; leveraged advanced features, multithreading, concurrency, and design patterns.
- Web Development Specialist: Designed scalable applications with Spring MVC; implemented RESTful services, dependency injection, and AOP.
- Database Specialist: Optimized interactions using Hibernate and JPA; implemented complex mappings, caching strategies, and efficient queries.
- Full-Stack Developer: Integrated diverse databases and frontend technologies; created dynamic interfaces using jQuery.
- Full-Stack Developer: Integrated diverse databases and frontend technologies; created dynamic interfaces using jQuery.
- UI/UX Enhancer: Implemented AJAX functionality, DOM manipulation, and event handling; ensured cross-browser compatibility.
- Performance Optimizer: Ensured optimal application performance; implemented best practices; managed transactions and data integrity.

Ignis Technology Solutions Pvt. Ltd.

28 April 2008 – 13 December 2010

Associate Software Engineer

Bengaluru, Karnataka

- Java Expert: Developed enterprise applications using Java 5+; leveraged advanced features, multithreading, concurrency, and design patterns.
- Web Development Specialist: Designed scalable applications with Spring MVC; implemented RESTful services, dependency injection, and AOP.
- Database Specialist: Optimized interactions using Hibernate and JPA; implemented complex mappings, caching strategies, and efficient queries.
- Full-Stack Developer: Integrated diverse databases and frontend technologies; created dynamic interfaces using jQuery.
- Performance Optimizer: Ensured optimal application performance; implemented best practices across Java ecosystem.
- Quality Assurance: Maintained code quality, managed transactions, ensured data integrity, and optimized user experience across enterprise solutions.

Projects

- RLMS Education Loan** | *Spring Boot, REST API, Jenkins CI/CD Pipeline* **30 August 2021 – 11 December 2023**
- Streamlined the process of managing loans specifically tailored for educational purposes by implementing Java8, Spring Boot among other technologies.
- Cascade** | *Spring Boot Microservices REST API, Github CI/CD Pipeline* **14 September 2020 – 18 January 2021**
- Developed an application that keeps track of total number of usages of apple products within a particular fiscal period.
- AIC** | *Java8, GitHub CI/CD pipelines, AWS* **17 September 2019 – 11 March 2020**
- Worked on a module which interfaces with the SAP as Source system in the Integration landscape.
- AHA IRP** | *Java8, Spring Boot Microservices, Spring Cloud Services* **28 September 2017 – 17 August 2018**
- Developed a report comparing benchmark groups against AHA defined measures for American Heart Association.
- eClaims** | *Java8, Spring Boot Microservices, REST API, CI/CD Pipelines* **06 July 2016 – 21 July 2017**
- Managed customer requests for product return, replacement, or credit and effectively resolved claims by collaborating with various teams such as logistics/carriers and credit and collections.
- DMDB (Delivery Management Suite Dashboard BT-GS)** | *Java7, Spring MVC* **09 January 2013 – 08 June 2016**
- Experienced in developing and launching strategic tools, with a focus on consolidating delivery management activities.
- Lot Event Management System(LEMS)** | *Java6, Spring* **15 March 2012 – 15 October 2012**
- LEMS provides an integrated solution for managing non-conforming lots, including tracking, referencing, and decision-making based on severity, events, and test results.
- FlexPLM (Flex Product Lifecycle Management)** | *Java6, Spring* **26 September 2011 – 03 February 2012**
- FlexPLM is a flexible, web-based PLM solution tailored for the consumer products, retail, footwear, and apparel industries, offering comprehensive management of product development, collaboration, and operational efficiency across global teams.
- MStreet** | *Java6, Servlet, JSP* **15 December 2010 – 22 March 2011**
- MStreet is an educational website for schools and colleges that tracks student performance, manages attendance, and supports comprehensive academic content management.
- SpotCentral (DGIT)** | *Java5, Spring MVC* **28 April 2008 – 13 December 2010**
- DGIT USA is a media servicing company providing a comprehensive advertising delivery network with features for media management, order distribution, and reporting, built on a Java/JEE platform using Hibernate and Spring MVC.

Technical Skills

Languages: Java 7/8, J2EE, RxJava 3, Spring Boot 2.x, Spring Data REST 3.x, Apache Maven, Git, Jira, Confluence, Apache Camel, Apache Spark, Python 3, Django, Jenkins, GitLab, ELK Stack,
Developer Tools: IntelliJ IDEA Ultimate Edition, Spring Tool Suite(STS), VS Code, Eclipse, Google Cloud Platform, Android Studio
Databases: Oracle 12c, MSSQL Server 2008, PostgreSQL 9.4.5, MySQL 8.0.
Front-end Technologies: Angular 9, RxJS 6, jQuery 3.4.1, Node.js 12.7.0, ReactJS 16.8 (with Hooks, Router, Redux).
Operating Systems: Windows 7/8/10, Linux.
Hardware: Intel Core i7.
Message Brokers: RabbitMQ, Kafka, Redis.
Cache Server: GemFire, Redis.
Containerization: Docker.
Spring Cloud Services: Eureka, Kafka, Hystrix, Config Client/Server, Zuul, Gateway, OpenFeign, Cloud Security.
Other Software: IBM BPM Process Designer.

Reference

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