ANIKET KAKDE

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SUMMARY

Experienced Software Engineer with over 8 years of expertise in the development of scalable applications and web services, which includes utilizing JVM technologies, such as Spring Boot, Playframework etc., as well as frontend technologies like React or Vue. Moreover, I also have experience working with AWS, GCP services. Currently, my focus is on backend development at Europcar International, a leading company in the European car rental industry.

EDUCATION

Institut supérieur d'électronique de Paris, **Grande École – Paris, France**   November 2015
Dual Degree – **Master's in Information Technology**

University of Mumbai   December 2010
Bachelor of Engineering (B.E) – **Electronics and Telecommunications**

EXPERIENCE

Software Engineer – Backend   **Europcar International (Paris, France)**   August 2022 – Present

- Design and develop new microservices for Europcar's B2B, B2C channel using Java/Kotlin, Spring Boot and hosted on cloud platform AWS based on hexagonal architecture and domain driven design practices. This also facilitated the migration of the legacy system, incorporating additional use cases and features.
- Implemented individual customer login using Redhat-SSO with OpenID Connect and OAuth2.0 standards, enhancing customer understanding by consolidating data for personalized interactions and targeted marketing. This streamlined operations, reduced costs, and improved customer experiences and engagement.
- Implemented modern Gradle JVM build practices, streamlining the development process, reducing build times, and ultimately improving the project's scalability. Added caching mechanism in Gradle build to improve build performance in Gitlab CI/CD pipeline. These practices were later adopted by few other teams for structuring their projects, contributing to overall system scalability and maintainability.
- Tuning database queries and indexing strategies for PostgreSQL to reduce retrieval time.
- Development of APIs using API first approach via Swagger and OpenAPI generators and add new features using behavior driven development practices with Java and cucumber.
- Leveraged knowledge in: Kotlin/Java, Spring Boot, Kafka, PostgreSQL, RedhatSSO/Keycloak, Gradle, Docker.

Software Engineer – P.II   **Dassault Systèmes (Paris, France)**   March 2022 – July 2022

- Developed a data quality analysis tool to identify and address critical data quality issues for global online sales and referential systems. Initially used Python, SQL, and proprietary Dassault tools to develop this feature.
- Collaborated with cross-functional and business analyst teams to gather requirements and later converted the tool into a Java service, resulting in improved business processes and reduced deployment process time.
- Leveraged knowledge in: Java, Python, SQL, Spring Boot, Oracle 8

Software Consultant   **Lunatech SAS (Paris, France)**   August 2016 – Dec. 2021

→ (Full Stack) (Remote)   **for client: Audi AG** (Ingolstadt, Germany).   *Aug. 2018 to Dec. 2021*

The project centered on the development of an in-house ground truth labeling system for video data collected from vehicles, as an integral component of autonomous driving initiatives. It involves the creation of a user-friendly UI, tailored to meet the unique requirements of human annotators, provide a backend interface for label management, and enabling integration with artificial intelligence system.

- In the project's early stages, autonomously refactored and introduced an enhanced backend architecture, incorporating best practices in Akka-http API development. This change improved the project's overall structure and saved time on future refactoring efforts.
- Undertook the development of frontend features from scratch, utilizing React with ScalaJS and seamlessly integrating it with the labeling backend. This enables a smooth and cohesive user experience.
- Implemented role-based access management for resources using Forgerock IAM (Identity and Access Management), enhancing security and control over the labeling system resources.
- Leveraging my expertise in cloud-native tools, including containerization, facilitated the deployment of the labeling system on a cloud platform, optimizing scalability and resource management.

- As part of the development team, meticulously reviewed code, identified, and rectified bugs, and consistently delivered high-quality, scalable, and robust software features.
- Collaborated effectively with cross-functional teams and product owners, subject matter experts in autonomous driving, DevOps teams to deliver ground truth labelling system.
- Leveraged knowledge in: Scala, ScalaJS, React, Akka-Http, Kafka, Elasticsearch, Elastic4s, Argo Workflow, Docker, Kubernetes, GCP service - Cloud TPU and cloud AI platform.

→ (Backend) (On-site)　　　　　　*for client:* **<u>Disneyland Paris</u>** (Paris, France)　　　　*Jan. 2017 to Aug. 2018*

Flagship project called D4th (Disney 4th gen.), was to design and develop a marketing web application that seamlessly interacted with the Tridion Content Management System (CMS), a cornerstone of Disneyland Paris's daily content management operations on their main website.

- Lead the pilot project to design and develop a proof-of-concept (POC). The successful implementation of this POC, paved the foundation for developing a million-dollar project from scratch which has replaced entire legacy marketing web application. It streamlined content management processes and enhanced the user experience, resulting in significant cost savings for Disneyland Paris's IT team. This demonstrated the value of cutting-edge technology new solutions and inspired change for other projects as well.
- Beyond this project, also developed other micro-services which deals with internal systems such as sending push notifications on web browsers, interact with legacy SOAP web services in Java.
- Utilized Agile Scrum methodology, which involved daily activities such as gathering requirements, refining new user stories, and creating tasks to ensure effective project management, etc.
- Generated comprehensive project documentation in Confluence and provided code documentation using Javadoc.
- Leveraged knowledge in: Playframework with Java, GraphQL, React, Elasticsearch, Tridion CMS, Gitlab CI/CD, Linux (Redhat).

→ (Full Stack) (Remote)　　　　　　*for client:* **<u>UPS France</u>** (Paris, France)　　　　*Aug. 2016 to Jan. 2017*

- New feature development and maintaining a B2B platform with shipment lifecycle management services.
- Implemented Quartz job scheduler for report sending feature this helped UPS to effectively track their reports and address the delivery issues in time.
- Deployment on Amazon EC2 instances and monitor critical services. Debug issues by checking logs on the production servers, analyze, document, and propose solution.
- Leveraged knowledge in: Playframework, Scala, Java, Elasticsearch, Elastic4s, PostgreSQL, AngularJS 1.6, MS Excel, Amazon EC2.

Software Developer Internship　　　　　**<u>Nokia Bell Labs</u>** <u>(Formerly Alcatel Lucent)</u> **(Paris, France)**　　July 2014 – Dec 2014

- Developed a tool using ITU's P.1201.1 algorithm for advanced video quality estimation and analyzed streaming protocols through packet capture with Wireshark and Tcpdump to enhance mobile device video quality using Java.
- Study of QUIC/HTTP-2.0 protocol, H.264 video encoding/decoding format and research to improve media transfer quality over net.
- Technology stack: C, C#, Java, Wireshark, Tcpdump.

TECHNICAL SKILLS

Programming:	Java (7+ years), Scala (3+), Kotlin(+2), Python, JavaScript/TypeScript, SQL, C/C++, Spring Boot, Play Framework, Akka-Http, JAX-RS, ReactJS, ScalaJS, Vuejs.
Databases/Messaging:	PostgreSQL, Elasticsearch, Oracle, MySQL, Kafka, Java messaging service (JMS)
Tools/Libs:	Cucumber, JUnit, Mockito, ScalaTest, Gatling, Gradle, Maven, SBT, GitLab CI/CD, GitHub action, Jenkins, Docker, Kubernetes, Argo Workflow, AWS Services(S3, EC2, Lambda, API Gateway, SNS, SQS, Elastic Beanstalk, RDS), GCP services(GKE, Cloud SQL, VPC, Compute Engine), Keycloak, Postman, Swagger, GraphQL, Linux (Ubuntu, Rocky), MacOS, Windows, IntelliJ IDEA, Visual Studio Code, Eclipse.

OPEN-SOURCE CONTRIBUTION

Gradle plugin for publishing artifacts to Sonatype Maven Central: https://central.sonatype.org/publish/publish-portal-gradle/
Gradle Plugin Portal Link: https://plugins.gradle.org/plugin/eu.kakde.gradle.sonatype-maven-central-publisher