ANIKET SALVE

LEAD AI ENGINEER

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EXECUTIVE PROFILE

Technology leader and solution architect with nearly 8 years of experience delivering AI/ML, Industrial IoT, cloud-native applications and enterprise data platforms across automotive and industrial environments. Proven ability to define technical roadmaps, architect production-grade solutions, translate data science concepts into scalable software and align engineering delivery with business outcomes. Experienced in AWS, MLOps, data integration, CNN-based computer vision, Generative AI and cross-functional leadership across Europe and Asia. Trusted partner to senior stakeholders, with a track record of mentoring developers and data scientists, establishing engineering standards and supporting executive and customer-facing engagements.

CORE COMPETENCIES

AI/ML Solution Architecture | Technical Roadmaps | AWS Cloud Architecture | MLOps & DevOps | Enterprise Data Platforms | Data Integration & Migration | Industrial IoT | Generative AI & Agentic AI | Knowledge Graphs | Software Engineering | Cross-Functional Leadership | Team Mentoring | Stakeholder Management | Executive Communication

TECHNICAL SKILLS

Cloud & Delivery: AWS, Docker, GitHub, DevOps, MLOps | AI/ML: Machine Learning, Generative AI, Agentic AI, LangChain, Computer Vision, CNNs | Programming & Frameworks: Python, Java, Angular | Data & Integration: Analytics, Data Migration, Data Pipelines, MySQL, REST APIs | Architecture & Methods: Solution Architecture, Agile, Scrum

PROFESSIONAL EXPERIENCE

Technical Lead | Solution Architect | Robert Bosch GmbH, Stuttgart, Germany

07/2022 - Present

- Lead AI, enterprise data platform and digital transformation initiatives serving 5,000+ users across four business units, improving productivity, data quality and operational efficiency.
- Define solution architectures and multi-phase technical roadmaps for enterprise-scale applications, aligning business goals, maintainability, scalability, governance and delivery constraints.
- Architected an automated solution to compare requirements and identify similarities, reducing months of manual comparison work to 3-5 days and cutting manual effort by approximately 80%.
- Architected and delivered a scalable in-house software solution aligned with organizational and business-unit KPIs, replacing a third-party alternative and generating more than €400,000 in cost savings over two years.
- Developed a docs-as-code workflow using LLM agents to validate documentation and make changes based on the results. Used Generative AI to draft requirements based on information from a knowledge graph.
- Establish cloud-native engineering practices using AWS, GitHub, DevOps and MLOps to support reliable automation and production-grade AI delivery.
- Partnered with senior and non-technical stakeholders to translate business priorities into iterative technical solutions; coordinated cross-functional teams of seven data scientists and software engineers distributed across Germany, India and Vietnam, plus three external vendor companies.
- Mentor developers and data scientists, establish user communities, deliver technical training and promote software engineering standards for quality and maintainability.
- Contribute to open-source and engineering communities; iSAQB-trained architect supporting architecture quality and knowledge sharing.

Senior Software Developer (Data Scientist) | DEKRA Digital GmbH, Stuttgart, Germany

09/2020 - 07/2022

- Delivered an Industrial IoT and advanced analytics platform end to end, covering solution design, implementation, deployment and operational support.
- Designed and delivered scalable Industrial IoT platform capabilities that increased device availability to nearly 90% through improved monitoring, automated issue detection, and reliable production operations.
- Worked directly with the CTO on architecture decisions, team coordination, stakeholder alignment, executive presentations, customer demonstrations and pre-sales engagements.
- Built MLOps workflows for model training, deployment, monitoring and continuous improvement in production environments.
- Developed and deployed CNN-based computer vision solutions for industrial safety monitoring and workplace risk detection.
- Engineered backend services in Java Spring Boot and Python, together with Angular dashboards and user interfaces, translating analytics capabilities into usable products.

EARLIER EXPERIENCE

Software Developer | HCL Technologies Ltd, Pune, India

07/2016 - 07/2018

- Contributed to an R&D team designing software solutions and producing high-level and low-level design documentation.
- Developed REST APIs and Python-based data services using MongoDB, MySQL and Elasticsearch.
- Implemented Angular user interfaces and delivered software in an Agile development environment.

Software Developer Intern | ETAS GmbH, Stuttgart, Germany

04/2020 - 08/2020

- Developed frontend/backend components and an Electron desktop application; performed data analysis for management dashboards.

Software Developer Intern | DEKRA Digital GmbH, Stuttgart, Germany

02/2019 - 03/2020

- Developed web applications and contributed to a vision-processing solution focused on improving safety.

EDUCATION & TRAININGS

MSc, Data Analytics and Decision Science - RWTH Business School, Aachen, Germany | 2018 - 2020

BE, Electronics and Telecommunication - Savitribai Phule Pune University, India | 2012 - 2016

Trainings: iSAQB Trained Software Architect | Scrum Product Owner | Scrum Master

Languages: English | German (B1) | Hindi