RAHUL KUTTIKKATTU PARAMBIL

Senior Software Engineer

+4915110281214 36rahu@gmail.com https://rparambil.dev/ Berlin, Germany

SUMMARY

Seasoned Software Engineer with over 10 years of experience delivering scalable, high-performance solutions across data engineering, backend systems, and cloud infrastructure. Adept at designing robust architectures, optimizing data pipelines, and leading end-to-end development of critical platforms. Demonstrated success in both startup and enterprise environments, in the automotive and cybersecurity domains. Strong focus on system reliability, maintainability, and cross-functional collaboration. Known for rapidly adapting to new challenges and consistently driving technical excellence and innovation across projects. Currently contributing to AI-driven and real-time data platforms, bringing deep expertise in engineering practices and a commitment to continuous improvement.

SKILLS

Programming Languages and Frameworks

Python, FastAPI, Flask, Pandas, Django, Bash, JavaScript, HTML, CSS, Java, REST, Scrapy

Database and tools

PostgreSQL, MySQL, BigQuery, InfluxDB, DBT, DynamoDB, PostGIS, MongoDB, Neo4j, Redis, Flyway

Cloud and CICD tools

Terraform, Docker, Kubernetes, Apache Airflow, Artifactory, Bamboo, Jenkins, Kibana, Sentry, Ansible, AWS, GCP, Lambda, EC2, RDS, Firebase, ECS, S3, API Gateway, IAM, Cloud Functions

Others

Git, ETL, NLP, RabbitMQ, Raspberry Pi, Asyncio, Celery, Pytest, Unit testing, OpenAI, Artificial Intelligence, Cursor

EXPERIENCE

01/2025 - Present

Remote, Germany

Senior data engineer

Freshflow

- My responsibilities span maintaining and evolving the entire ETL infrastructure, ensuring data flows reliably and efficiently from ingestion to actionable insights.
- I design and implement robust parsers tailored to diverse data formats provided by various retail partners, enabling seamless integration across customer systems.
- Working extensively with DBT and BigQuery, I manage the propagation and transformation of large datasets through our data pipelines.
- Oversee Airflow orchestration, improving and debugging workflow schedules for critical processes.
- In addition, I develop and maintain modules that write processed data to Firestore, leveraging Python for scalable and maintainable solutions.
- This cross-functional role has enabled me to contribute to both operational stability and innovation in Freshflow's AI product delivery.

09/2023 - 12/2024

Munich, Germany

Senior software engineer

Awake Mobility

- Increased application reliability by 30% through developing and maintaining high-performance web apps with FastAPI.
- Improved system efficiency, reducing API response time by 40%, resulting in enhanced customer experience.
- Designed, built, and maintained robust data pipelines to decode CAN data from buses, enabling efficient data processing and analysis.
- Managed Sentry self-hosted systems to ensure continuous monitoring and error tracking.
- Collaborated with cross-functional teams, including data scientists and product managers, to integrate new features that enhance overall system functionality.
- Conducted regular code reviews and unit and integration testing to maintain software quality.
- Mastered CAN decoding to develop and deploy bus service rules, boosting operational efficiency and expanding capabilities.

EXPERIENCE

03/2021 - 09/2023

Tettnang, Germany

Specialist backend developer

Avira Operations GmbH

- Developed and maintained different microservices which were used to create reputation scores of entities (URL, IP, files) for thread intelligence reputation.
- Reduced downtime incidents by 30% by implementing OpenSearch and Kibana monitoring for 4 microservices.
- Wrote effective and scalable codebase for different services.
- Created different monitoring systems such as OpenSearch and Kibana to monitor the different microservices.
- Maintained and monitored the services with different AWS services.
- Services deployed in different environments with Docker and CICD pipelines.
- Worked with different technologies such as Docker, RabbitMQ, Redis, Pip env, Gremlin, Rethinkdb, Sentry, Bamboo, Artifactory, Blackduck.

07/2017 - 01/2021

Bangalore, India

Software engineer

Technologies Pvt Ltd

- Led development of major and minor projects as a back-end engineer, optimizing performance and reducing response times.
- Designed architecture, implemented RESTful APIs, and mentored junior team members to enhance team productivity.
- Collaborated with cross-functional teams to develop and launch web applications, ensuring seamless integration and functionality.
- Optimized and scaled back-end systems, enhancing performance metrics and response times significantly.
- Developed comprehensive testing suites to maintain high code quality standards and reliability.
- Participated in code reviews and continuously integrated new technologies and best practices for improved efficiency.
- Significant projects include Algo to You (Python, Flask), Truelink Financial Scraping (Python, Scrapy), and LinkedIn Crawler (Python, Java).

03/2016 - 07/2017

Mumbai, India

Sr.python developer

Oxxus Technologies Private Limited

- Involved in creating internal software solutions for the company and improved the efficiency of the whole team
- Suggested and created a few innovative ideas for the company to improve the team process and work efficiency
- Created a few software solutions to reduce the service cost of software solutions which is used by the company
- Resume Parser (Tech stack: Python, Django, ML, NLP, MySQL.)
- Static website generator (Tech stack: Python, Jinja2, Django, S3, Route 53)

12/2014 - 03/2016

Pune, India

Research engineer

Castalia Research Labs Private Limited

- Experience in developing customized industrial automation and vision systems, utilizing a wide range of vision hardware and software.
- Involved in the design, development, installation, commissioning, and validation of the vision systems at the customer's site and machine builder facility.
- Industrial automation system (Tech stack: Python, Raspberry Pi, GPIO programming).

EDUCATION

2010 - 2014

Kuttippuram, Kerala, India

B.tech. In computer science and engineering

MES College of Engineering

- (University of Calicut)
- B.tech. In computer science and engineering
- Kuttippuram, Kerala, India

FIND ME ONLINE

Website
https://rparambil.dev/

LinkedIn
https://www.linkedin.com/in/rahulank/

Stack Overflow
https://stackoverflow.com/users/4407666

GitHub
https://github.com/36rahu

LANGUAGES

English
Proficient

German
Beginner

Malayalam
Native