

Mohammed Rishad V K

Senior Software Engineer

(Python, Rust, Django, FastAPI, Go, Actix-Web, Axum, Tokio, Postgres, MySQL, NoSQL, AWS, Docker, Javascript/Typescript, Angular, React, CSS, Tailwind)

- Over **8 years** of experience in Software Development and Data Engineering, specializing in **Scalable, Reusable, and Reliable Object-Oriented Programming (OOP) and the Software Development Life Cycle (SDLC)**.
- More than **3 years** of experience working with a **German** product-based company.
- Demonstrated strong **Adaptability, Leadership, Ownership, Multitasking, and Mentoring** skills.

EXPERIENCE

Lead Backend Engineer (Intrem CTO), Exthgen Technologies

KERALA, INDIA (HYBRID)

Apr 2025 - Present

- Led **project planning**, backend **architecture**, and development of scalable microservices ensuring reliability and smooth cross-system integration.
- Designed and implemented a **reporting service** using **ClickHouse, PeerDB, Python (FastAPI)** for high-performance analytics and real-time insights.
- **Mentored junior developers** through code reviews, pair programming, and technical guidance to enhance team productivity and code quality.
- Oversaw **backend feature development, performance optimization, and monitoring**, ensuring efficient operations and robust system performance.
- **Technologies**
 - Python, Django, FastAPI, Rust, Actix-web, Axum, Tokio, Go, PostgreSQL, Rest API, Redis, MySQL, PostgreSQL, SQLAlchemy, ClickHouse, Docker, PeerDB, Git, AWS, S3, SNS, SQS, SES, , EC2, React, Docker, Neo4j,

Senior Backend Tools Engineer, Chronext GmbH

KÖLN, GERMANY (HYBRID)

Aug 2023 - Feb 2025

- **Owned and led development of critical backend tools** for internal teams (supply, workshop, logistics, marketing), ensuring scalability, reliability, and seamless integration with microservices.
- **Acted as a senior developer and mentor**, guiding junior engineers through code reviews, pair programming, and technical design sessions to elevate team capabilities.
- Designed and maintained efficient **data pipelines** using Python, Spark, SQL, Redshift, Airflow, and Tableau to meet analytical and business needs.
- Took full **end-to-end ownership of backend systems**, from architecture and development to deployment and monitoring in production.
- Optimized complex SQL and Spark queries, improving data processing speed and reducing latency across analytics and reporting platforms.
- Built and maintained robust **ETL processes and data models**, ensuring data quality and consistency.
- Implemented automation and workflow solutions that significantly boosted

ADDRESS

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LINKS

- [Website](#)
- [LinkedIn](#)
- [Github](#)
- [StackOverflow](#)

SKILLS

Python, Go(Golang), Django, Flask, FastAPI, Rust, Actix-web, Axum, Tokio, GraphQL, Rest API, CSS, Tailwind, PostgreSQL, JavaScript, Angular, React, TypeScript, HTML, Redis, Celery, RabbitMQ, Docker, Git, AWS, GCP, API Gateway, PyTest, Airflow, SQLAlchemy, Unittest, Pandas, Linux(Ubuntu), Unix, Jira, Agile

Familiar:

Kubernetes, Spark, Elixir, Phoenix, Node.js, Express JS, PHP, MySQL, MongoDB, SQLite, XML, JSON, Elastic Search, Numpy, Pandas, Mac OS, Windows, Terraform, Kafka, Data Structures, Algorithms

AWARDS & HONORS

- **SayOne Rockstar** – Best Performer (Dec 2018).
- **Winner Djangothon2018** by [HackerEarth](#) (1st Prize Winner).
- **Acknowledged** by Google, Microsoft, Sony, Freelancer, Kaspersky, eBay, CRIS, etc. for reporting security bugs.

LANGUAGES

- English (Proficient, C1)
- German (Beginner, A1)
- Malayalam (Native, C2)

operational efficiency.

- Responsible for release management, CI/CD pipelines, and smooth deployment of services across environments.
- **Technologies**
 - Python, Django, FastAPI, Rust, Actix-web, Axum, Tokio, Go, PostgreSQL, Rest API, Redis, MySQL, Spark, PostgreSQL, SQLAlchemy, Airflow, Docker, BI, Git, AWS, S3, SNS, SQS, SES, , EC2, EKS, RedShift, React, API Gateway, Docker, Kubernetes, Terraform, Data warehouse, Pandas, NumPy, Tableau

INTERESTS

- Open Source Contribution
- AI/ML/Data
- Web Security Research
- Mentoring
- Continuous Learning
- Photography
- Travel
- Football (Soccer)

Senior Backend Developer, StudySmarter GmbH

MUNICH, GERMANY (REMOTE FROM INDIA)

Dec 2021 - May 2023

- Taking **ownership** for the development and maintaining different learning modes like Practice, Quiz, Spaced Repetition, Type to answer, etc.
- **Improvising** and adding new features to core products like Flashcards, Documents, Summary, Textbook, Exercises, etc.
- **Collaborating** with a **cross functional** team to achieve common **business goals**.
- Writing **unittest, integration, functional**, etc to make sure of the quality of the product.
- Peer code review with cross functional teams.
- **Technologies**
 - Python, Django, FastAPI, Go, PostgreSQL, Rest API, Redis, Celery, RabbitMQ, Docker, Elastic Search, Git, AWS, S3, SNS, CloudFront, Sentry, CloudWatch, EC2, EKS, Docker, Kubernetes, Terraform

Senior Software Engineer, Reckonsys Tech Labs Pvt. Ltd

BENGALURU, KARNATAKA, INDIA

May 2019 - Nov 2021

- Design and develop robust services in coordination with frontend developers and produce well-tested, high quality code.
- Work directly with the business to implement features and understand use cases (US, Europe, India).
- Contribute to design and development of Backend and API using Monolith and Microservice Architecture.
- Contribute to the technical design and development APIs with performance and scalability in mind.
- Some industries worked are Hotel, Sports, Hiring, Transport, Aviation, Healthcare, Analytics, Travel, etc.
- Experience with devops and infrastructure practices and technology like CI, deployment automation, provisioning, Amazon AWS.
- Mentoring and training new joiners and juniors.
- **Technologies**
 - Python, Go(Golang), Django, Flask, FastAPI, PostgreSQL, HTML, CSS, GraphQL, Rest API, JavaScript, TypeScript, Angular, Elixir / Phoenix, Redis, Celery, RabbitMQ, Docker, Elastic Search, Git, AWS, S3, SNS, SES, CloudFront, IAM, Lambda, EC2, Docker, Kubernetes, Terraform
- **Clients**
 - NuFlights, ClipHire, Pharmallama, TransportSimple, Acumen Aviation, Kiplist, D8aDriven, Moonlight, Vigna World

Software Engineer, SayOne Technologies Pvt. Ltd

KOCHI, KERALA, INDIA

Feb 2017 - May 2019

- Help to develop 5+ web applications from scratch.
- Managed team of 4 members including Backend and Frontend Developers.
- Developed a highly scalable ecommerce SaaS platform for independent pet retailers with Django and Postgres. (Worked on DB Design, Dashboard(Role, Orders, Invoicing, Products, Theming, Coupon, Offers) and Frontend Pages, etc)
- Design and develop robust services in coordination with frontend developers and produce well-tested, high quality code.
- Work directly with the client to implement features and understand use cases.
- Developed and maintained an article website for big data, blockchain, and artificial intelligence having insights and jobs..
- **Technologies**
 - Python / Django, Flask, PostgreSQL, HTML, CSS, JavaScript, TypeScript, Angular, Celery, Redis, Elastic Search, RestAPI, Git, SendGrid, Kafka
- **Clients**
 - [eTailPet](#), [FeedMyFurBaby](#), [Dataflog](#), [Mavin](#), [BeCo](#), [ProteinForPets](#),

EDUCATION

University of Calicut — M.Sc Computer Science

MALAPPURAM, KERALA

2014 - 2016

- **Cumulative Grade Point Average(CGPA): 7.13/10 (71.3 %) - A grade**
- **Blue Card Eligible - EU / German**

University of Calicut — B.Sc Computer Science

MALAPPURAM, KERALA

2011 - 2014