

Mahdi Rashidi

Senior Backend Engineer • Cloud & DevOps Practitioner

Berlin, Germany

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Summary

Backend Engineer with **9+ years** of hands-on experience designing and building systems on cloud platforms, primarily **Microsoft Azure**, with a focus on **microservices architecture**. Areas of responsibility and involvement include:

- Building **backend services** using **Node.js**, **TypeScript**, **NestJS**, with prior experience in **Java** ecosystem
- Designing components of **event-driven systems** leveraging **RabbitMQ** and **Redis Pub/Sub**
- Utilizing containerization and orchestration tools such as **Docker**, **Kubernetes**, **Terraform**, and **Helm** for infrastructure management
- Managing monorepo workflows with tools like **Lerna** and **NX** to streamline modular codebases
- Administering data persistence with both relational (**PostgreSQL**) and non-relational (**MongoDB**) databases

Work Experiences

Fakir Technology Consultants GmbH (Client: SE (inno2fleet E-Mobility Services) ↗)

Berlin, Germany (Full-Time, Remote)

Senior Backend Engineer & Technical Lead (Promoted)

Mar 2022 – Jan 2025

- Aligned with Head of Product to translate business needs into technical specs and development roadmaps
- Led GCP to Azure migration, ensuring GDPR compliance and zero downtime across 3 major products
- Managed Azure Kubernetes Service (AKS) infrastructure supporting EV charging platform with high availability and scalability requirements
- Architected monorepo solution using Lerna and NX, developing reusable generic libraries deployed across multiple microservices
- Upgraded core systems: NestJS major versions and PostgreSQL Flexible Server migration
- Migrated messaging infrastructure from Redis Pub/Sub to RabbitMQ for enhanced monitoring capabilities and system stability
- Optimized cloud infrastructure costs through resource monitoring and implementing comprehensive observability stack
- Deployed monitoring solutions including Grafana, Prometheus, and Redash via Helm Charts for improved system visibility
- Enhanced CI/CD pipeline efficiency in GitLab, integrating automated testing and improving deployment reliability across core microservices
- Mentored and onboarded backend developers to accelerate team productivity and knowledge transfer
- Conducted technical interviews for team expansion and candidate evaluation
- Created comprehensive documentation for infrastructure architecture and incident management processes
- Managed technical debt resolution by upgrading outdated libraries and improving code maintainability across the entire codebase

Senior Backend Engineer

Mar 2021 – Feb 2022

- Built eConsultant MVP from ground up, to calculate CO₂ emissions and EV transition investment for European fleets
- Developed RESTful APIs using NestJS/TypeScript to support consultation, installation, and charging services for enterprise clients
- Integrated Postman and Jest tests into GitLab CI/CD, improving coverage across key services
- Optimized database performance through PostgreSQL query optimization, reducing API response times for high-traffic consultation endpoints
- Refactored billing service into modular components, enabling parallel development and improving system maintainability
- Documented technical architecture and processes to streamline team workflows and facilitate knowledge transfer across development team

Mehrpardaz Co (EN-Route Flight Operations Platform)

Tehran, Iran (Full-Time, Remote)

Senior Backend Engineer

Jan 2020 – Feb 2021

- Built backend architecture from scratch using Express.js and JavaScript for aviation operations and crew management
- Designed and implemented RESTful APIs serving a React dashboard and iPadOS app for flight crew
- Integrated weather forecast APIs to deliver flight-specific meteorological data
- Developed features for weight/luggage management, crew scheduling, and document handling
- Architected offline sync system to provide flight crews with latest data before takeoff
- Onboarded and mentored 2 junior developers, creating onboarding docs and dev guidelines
- Designed MongoDB schema tailored to aviation data (crew schedules, flight plans, docs)
- Created technical documentation for backend services, APIs, and overall architecture

Iran Kish Credit Card Co (Mobile Banking, POS & Payment Gateway Services)

Tehran, Iran (Full-Time, On-Site)

Backend Engineer

Oct 2018 – Dec 2019

- Developed REST backend services using Express.js, JavaScript, and MongoDB, migrating from Java to Node.js ecosystem
- Integrated third-party RESTful and SOAP financial APIs to expand banking features
- Improved security by migrating from legacy 3DES to modern AES encryption standards
- Developed Python scripts to automate data processing and migration tasks

Baharan Sarv Gostar (Learning Management System)

Tehran, Iran (Full-Time, On-Site)

Java Software Developer

Oct 2015 – Sep 2018

- Developed and maintained backend modules in a Java-based LMS, with attention to modular design and clean coding practices.
- Supported the migration of a legacy ASP.NET WebForms system to a Java-based technology stack as part of a cross-functional team.
- Assisted with VMware ESXi server administration, including virtual machine setup and basic performance monitoring tasks.

Technical Skills

Programming Languages	Expert: TypeScript, JavaScript (ES6+) Proficient: Java Experienced: C#, C++ Familiar: Python, Kotlin, Go
Backend Frameworks	Expert: NestJS, Node.js, Express Experienced: Spring Boot, ASP.NET Familiar: Django, Flask
APIs & Protocols	Expert: REST, gRPC, WebSockets, OpenAPI/Swagger, API Versioning Experienced: GraphQL
System Architecture	Microservices, Event-Driven Architecture (EDA), API Gateway, Domain-Driven Design (DDD), Serverless, Monorepos
Cloud Platforms	Expert: Azure (AKS, Key Vault, Blob Storage) Experienced: AWS (Fargate, Lambda, ECS, S3, RDS, DynamoDB), GCP
DevOps & Infrastructure	Expert: Kubernetes, Docker, GitLab CI/CD, Linux Experienced: Terraform, Helm, GitHub Actions
Databases & ORMs	Expert: PostgreSQL, TypeORM, Redis Proficient: MongoDB, Mongoose Experienced: MySQL, MSSQL, JPA
Event Streaming	Expert: RabbitMQ, Redis Pub/Sub Experienced: Azure Service Bus, AWS SQS/SNS Familiar: Apache Kafka
Observability	Expert: Azure Monitor, Sentry Experienced: Prometheus/Grafana, CloudWatch, Fresh Ping
Quality Assurance	Expert: Jest, Unit/Integration Testing Experienced: Postman Automated Tests, End-to-End Testing
Security	Expert: OAuth2/OIDC, JWT, API Security, RBAC Proficient: Zero Trust, SSL/TLS
Frontend Skills	Familiar: React (Hooks, Context API), Next.js (App Router, API Routes), HTML5/CSS3
AI Development	Experienced: LLM APIs (Gemini, OpenAI) Familiar: Fine-tuning
Tools	Git, Linux Distros, Cursor AI, K8s Lens, Jira, Confluence, NX, Miro, Figma

Certifications

Cloud & DevOps		
2025	AWS Cloud Technical Essentials , Certificate of Completion	<i>AWS Training</i>
2025	Introduction to Generative AI by Google Cloud , Certificate of Completion	<i>Google Cloud</i>
2024	Advanced Terraform , Certificate of Completion	<i>LinkedIn</i>
2024	Microservices: Security , Certificate of Completion	<i>LinkedIn</i>
2024	Azure Administration Essential Training , Certificate of Completion	<i>LinkedIn</i>
2020	The Complete Docker Bootcamp for Web Developers , Certificate of Completion	<i>Udemy</i>
Backend Development		
2024	Building High-Throughput Data Microservices , Certificate of Completion	<i>LinkedIn</i>
2018	Object-Oriented Programming in JavaScript , Course Completion	<i>Code With Mosh</i>
2018	The Complete Node.js Course , Course Completion	<i>Code With Mosh</i>
2017	REST APIs with Flask and Python , Certificate of Completion	<i>Udemy</i>
Database Systems		
2018	The Complete Python & PostgreSQL Developer Course , Certificate of Completion	<i>Udemy</i>
2017	Learn Database Design with MySQL , Certificate of Completion	<i>Udemy</i>
Programming Languages		
2017	The Complete Python Developer Course , Certificate of Completion	<i>Udemy</i>
2017	The Complete Java Developer Course , Certificate of Completion	<i>Udemy</i>
2017	Python and Django Full Stack Web Developer Bootcamp , Certificate of Completion	<i>Udemy</i>
Leadership & Collaboration		
2024	Critical Thinking for Better Judgment and Decision-Making , Certificate of Completion	<i>LinkedIn</i>
2024	Working with Difficult People , Certificate of Completion	<i>LinkedIn</i>
2024	How to Have Productive One-on-One Meetings , Certificate of Completion	<i>LinkedIn</i>

Education

Bu-Ali Sina University	<i>Hamedan, Iran</i>
B.Sc. in Computer Software Engineering	<i>Sep 2011 – Sep 2015</i>
<ul style="list-style-type: none">Mentored students as a Teaching Assistant for Object-Oriented Programming and Database Design.Developed algorithmic problem-solving and collaborative coding skills through regional ACM-ICPC programming contests.	

Languages

English (C1 Professional Proficiency), **Persian** (Native), **German** (A2 Basic Communication), **Turkish** (A1 Simple Conversations)