

Mahdi Rashidi

Senior Backend Engineer • Cloud-Native & DevOps Practitioner

Berlin, Germany

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Summary

Backend Engineer with **9+ years** experience, including **6+ years** building scalable **TypeScript/Node.js** applications and **cloud-native** systems. Experienced in **microservices architecture**, **Kubernetes**, and multi-cloud platforms including Azure, AWS, and GCP. Focused on delivering reliable enterprise solutions with emphasis on **high availability** and **performance optimization**.

Work Experiences

Fakir Technology Consultants GmbH (Client: Schneider Electric (inno2fleet Services) 🇩🇪) Berlin, Germany (Full-Time, Remote)

Backend Team Lead & Technical Architect (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- Managed technical debt resolution by upgrading outdated libraries and improving code maintainability across the entire codebase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
- Established agile workflows using Jira and Mattermost for project and team management
- Designed MongoDB schema tailored to aviation data (crew schedules, flight plans, docs)
- Collaborated with frontend and iOS teams to ensure smooth API integration and UX
- 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 C# 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
- Automated data migration via Python scripts converting legacy data to JSON format

Baharan Sarv Gostar (Learning Management System)

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

Software Developer

Oct 2015 – Sep 2018

- Contributed on LMS development using .NET WebForms, C#, and Microsoft SQL Server for educational institutions
- Integrated Adobe Connect for online class hosting and virtual classroom management
- Managed on-premise VMware ESXi server infrastructure, gaining enterprise virtualization experience

Technical Skills

Backend Development	Advanced: NestJS, Node.js, TypeScript, Express.js, RESTful APIs Familiar: Deno, Django, Spring Boot
Programming Languages	Advanced: TypeScript, JavaScript (ES6+) Intermediate: Python, Java, C#, Bash, C++ Familiar: Go, Kotlin
Architecture Patterns	Microservices, Event-Driven Architecture, API Gateway Patterns
Cloud & DevOps	Advanced: Azure, Kubernetes, Docker, GitLab CI/CD Intermediate: AWS, GCP, IaC, Terraform, Helm
Databases	Advanced: PostgreSQL, TypeORM, MongoDB, Mongoose, Redis Intermediate: MySQL, MSSQL
Messaging	Advanced: Redis Pub/Sub, RabbitMQ Intermediate: Apache Kafka, Service Bus, Event Grid
Security Standards	JWT, API Security, Zero Trust Architecture, OAuth2/OpenID Connect (OIDC)
Testing & Quality Assurance	Jest, Postman, Unit/Integration Testing, SonarQube
Monitoring & Observability	Sentry, Azure Monitor, Redash, Grafana/Prometheus, K8s Lens
Tools & Platforms	Git, GitLab, Cursor, VS Code, WebStorm, Docker Hub, Jira, Confluence, Figma, Miro
AI & Machine Learning	Familiar: Google AI Studio, Fine-tuning Models (Gemini-1.5-flash, Ollama), AI Agents (N8N)

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>Coursera</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

Hamedan, Iran

B.Sc. in Computer Software Engineering

Sep 2011 – Sep 2015

- Served as Teaching Assistant, mentoring students on object-oriented programming (C++) and SQL optimization techniques
- Competed in regional ACM-ICPC programming contests, developing algorithmic problem-solving and collaborative coding skills

Languages

Persian	Native Speaker
English	C1 – Professional Proficiency
German	A2 – Basic Communication
Turkish	A1 – Simple Conversations