

MOMAN RAZA

Backend Engineer (Node.js + Microservices + Databases)

Email: mominrazashahid0@gmail.com

Phone: +923081136724

Link: [linkedin.com/in/momanraza](https://www.linkedin.com/in/momanraza)

GitHub: github.com/mominrazashahid

OBJECTIVE

Full Stack Developer with 5+ years of experience specializing in Node.js, Angular, and scalable backend systems. Experienced in building REST APIs, authentication systems, and cloud-deployed applications using AWS and Docker. Currently seeking full-time opportunities in Germany in backend or full-stack engineering roles.

SKILLS

- **Frontend:** Angular, React.js, PrimeNG, Material UI
- **Backend:** Node.js, Express.js, REST APIs, MongoDB, Mongoose, PostgreSQL, Firebase
- **Cloud & DevOps (Working Knowledge):** Docker, Jenkins (CI/CD pipelines), AWS (S3)
- **Realtime & Communication:** Socket.io
- **Authentication & Security:** Unit Testing, OAuth, JWT
- **Tools & Platforms:** Git, GitHub, Postman, Jira, VS Code, Slack

EXPERIENCE

Software Engineer – Remote (USA) | The Polar Cloud

Jun 2023 – Present

- Developed and maintained scalable full-stack web applications using the MEAN stack (MongoDB, Express.js, Angular, Node.js) in a production environment.
- Designed and implemented RESTful APIs and microservices-based backend architecture to support modular and scalable system design.
- Built and optimized Angular-based responsive UIs ensuring high performance, cross-browser compatibility, and improved user experience.
- Worked with cloud services including AWS S3 and SES for file storage and email delivery workflows.
- Used Docker for containerized deployments to improve consistency across development and production environments.
- Implemented secure authentication and authorization using JWT and OAuth 2.0.
- Optimized MongoDB database schema and queries to improve performance for high-traffic real-time applications.
- Ensured code quality through unit/integration testing and maintained technical documentation for development workflows.

Software Engineer – Lahore, Pakistan | InvoZone

Sep 2021 – May 2023

- Developed and integrated data from multiple systems into scalable web applications using Node.js RESTful APIs with MERN/MEAN stack architecture.
- Designed scalable backend system architecture focused on high performance, modularity, and low resource utilization.
- Built and maintained full-stack web applications using Angular/React with Node.js, ensuring responsive UI and smooth API integration.
- Managed and optimized large-scale databases using MongoDB and PostgreSQL, improving query performance and data consistency.
- Contributed to CI/CD workflows by automating deployment pipelines and supporting DevOps processes for faster releases.
- Deployed applications on production servers and resolved hosting, performance, and runtime issues in live environments.

Full Stack Web Developer – Sahiwal, Pakistan | Dynamic Logix

Sep 2020 – Aug 2021

- Collaborated with senior developers to design and develop RESTful APIs using Node.js and MongoDB.
- Built responsive web interfaces using React.js (Hooks), ensuring smooth integration with backend services.
- Implemented API consumption and state management for dynamic frontend applications.
- Managed version control and collaborated on projects using Git and GitHub in a team-based development workflow.

Backend Developer Intern – Sahiwal, Pakistan | Dynamic Logix

Aug 2020 – Sep 2020

- Worked with senior developers to understand backend development workflows using Node.js, Express.js, and MongoDB.
- Developed RESTful APIs to perform CRUD operations and support basic backend functionality.
- Gained hands-on experience with API design, routing, and database integration in a real development environment.

PROJECTS

3D Printer Management Dashboard (The Polar Cloud)

- Developed a real-time Angular-based dashboard for monitoring and controlling 3D printers using REST APIs and Socket.io for live device communication.

- Implemented JWT-based authentication and role-based access control to secure multi-user system interactions.
- Designed integration layer for device telemetry, logs, and analytics to enable real-time operational insights.
- Improved system responsiveness by enabling event-driven updates for live printer status and job tracking.

RevBits – Endpoint Security Dashboard (Angular + Node.js)

- Developed a modular Angular-based dashboard using PrimeNG for managing endpoint security events and system monitoring in a cybersecurity platform.
- Integrated Node.js RESTful APIs to process and visualize endpoint behavior data, alerts, and security logs in real time.
- Implemented secure communication layers and authentication workflows for protected access to sensitive system data.
- Collaborated with backend and QA teams to deliver real-time incident tracking, alerting, and system monitoring features in a production environment.

Square Progress – Angular NPM Package

- Developed and published a reusable Angular NPM package for animated circular progress indicators, designed for integration in enterprise web applications.
- Built a highly configurable component supporting customizable stroke width, radius, percentage values, and color themes.
- Focused on performance and reusability by designing a lightweight, dependency-free UI component architecture.
- Created documentation and demo examples to simplify adoption and integration for Angular developers.

Spendly – Personal Expense Tracker (Flutter + Node.js + MongoDB)

- Developed and launched a full-stack personal finance mobile application using Flutter with a Node.js backend and MongoDB database.
- Built RESTful APIs in Node.js for managing income, expenses, and user financial data with JWT-based authentication.
- Integrated AI-powered features using Google Gemini Flash model to provide smart financial insights and expense-related assistance.
- Implemented real-time data synchronization between mobile app and backend services to ensure consistent user experience.
- Designed and generated PDF-based financial reports to allow users to export and analyze spending patterns.

Sehat AI – Health Assistant Mobile Application (Flutter + Node.js + AI)

- Developed a full-stack health assistant mobile application using Flutter for the frontend and Node.js for backend services.
- Built RESTful APIs to handle user interactions, health-related queries, and structured data management using MongoDB.

- Integrated Google Gemini Flash AI model to provide intelligent health guidance, symptom-based suggestions, and conversational assistance.
- Designed a scalable backend architecture to support real-time AI responses and efficient API communication between mobile and server.
- Implemented secure authentication and user session management to ensure safe access to personalized health features.

EDUCATION

Bachelor of Science (Computer Science) – Sahiwal, Pakistan 2016- 2020
COMSATS University Islamabad - Sahiwal Campus, Comsats

F.Sc Pre-Engineering – Okara, Pakistan 2014 -2016
Punjab College Okara

SSC, Matric – Okara, Pakistan 2012 - 2014
Board of Intermediate and Secondary Education, Sahiwal

CERTIFICATE

Participation in Debug the Error – Islamabad, 2018
Air Tech Air University Islamabad

Participation in Bug Catcher – Islamabad, 2018
National Solutions Convention FAST

LANGUAGES

- **Urdu:** Native
- **English:** Fluent