

# Kamran Sohail

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## SUMMARY

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Senior Backend Engineer with 19 years of experience designing and building scalable server-side systems. Currently at HiveWorx, Islamabad, working with NestJS, Node.js, TypeScript, Apache Kafka, and Redis, backed by PostgreSQL, Oracle, and MSSQL. I specialise in backend architecture, defining service boundaries, modelling data for performance, and connecting services through reliable messaging. I have delivered across healthcare analytics, enterprise data platforms, and web products, and I am equally comfortable working within a microservices setup or a well-structured monolith. Earlier in my career I led engineering teams and managed project delivery as a Project Manager and Team Lead at Weeinvent Technologies and as a Senior Developer at LetsCreate, which means I can work effectively with product managers, stakeholders, and junior engineers without losing technical depth. I write clean, maintainable code, take architecture seriously, and know what breaks in production from years of real-world delivery.

## SKILLS

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**Backend and APIs:** NestJS, Node.js, TypeScript, Express.js, RESTful APIs, Microservices Architecture, Monolithic Architecture, API Gateway Patterns

**Messaging and Real-Time:** Apache Kafka, Redis, Event-Driven Architecture, Queue-Based Workflows

**Databases:** PostgreSQL, Oracle, MSSQL, MySQL, TypeORM, Database Design and Modeling, Query Optimization

**Infrastructure and Tooling:** Linux, Git and GitHub, GitLab, Redmine, Postman, Jira

**Engineering Leadership:** System Design, Service Decomposition, Team Leadership, Technical Documentation, Code Review, Agile and Scrum, Stakeholder Communication

## WORK EXPERIENCE

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### Backend Developer, Node.js and NestJS — HiveWorx

2021 – Present

- Build and maintain production backend services in NestJS and Node.js within a microservices architecture serving enterprise workloads.
- Design event-driven data pipelines using Apache Kafka for reliable, decoupled communication between services.
- Own database design and query optimisation across PostgreSQL, Oracle, and MSSQL, covering schema design and indexing strategies.
- Use Redis for caching, session management, and rate limiting on data-intensive endpoints.
- Define API contracts and contribute to system-level architecture decisions across the product development department.
- Work alongside product, frontend, and infrastructure teams to deliver solutions against international quality standards.

### Project Manager and Team Lead — Weeinvent Technologies

2016 – 2021

- Led an engineering team building MVPs and full-scale web and mobile products for international clients across the UK, US, and Australia.
- Owned the full delivery lifecycle including requirements, sprint planning, technical scoping, client communication, and releases.
- Made architectural decisions on product structure, tech stack, and scalability trade-offs balancing speed with long-term maintainability.
- Translated business requirements into clear engineering specifications, bridging stakeholders and the development team.

**Senior Developer — LetsCreate**

2013 – 2016

- Owned backend architecture and codebase quality across multiple product lines, leading refactoring work that improved performance and developer velocity.
- Mentored junior engineers and established code review practices that raised overall team output.
- Contributed to database design, API development, and third-party service integrations across several product verticals.

**Project Manager and Software Engineer — EVS eVision Software**

Jul 2007 – 2013

- Promoted from Software Engineer to Project Manager in 2011, taking ownership of client projects that previously required director-level involvement.
- Managed end-to-end delivery of 15+ client projects including e-commerce platforms and enterprise web systems for clients in the UK and Australia.
- Built backend logic, database schemas, and frontend integrations for data-driven web applications as an engineer.
- Produced SRS documentation and feature specifications, and managed ongoing client relationships with high retention across the portfolio.

**Web Engineer — Firmtree Software House**

Jul 2006 – Jul 2007

- Delivered web application development and database design for multiple client projects, working both independently and within small engineering teams.
- Built backend logic and database-driven applications under production deadlines.

**EDUCATION**

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**Dr. A.Q. Khan Institute of CS and IT (KICSIT), Kahuta** — Bachelor of Science (BS), Computer Science — 2004 – 2005**KRL Model College, Kahuta** — FSc Pre-Engineering

1999 – 2001