

AVINASH MISHRA

Senior Full-Stack Developer | Next.js • React • NestJS • Node.js

Bengaluru, India | +91 8971750164 | avinashmishra13@hotmail.com

LinkedIn: [linkedin.com/in/avinashmishra](https://www.linkedin.com/in/avinashmishra) | GitHub: github.com/avinashmishra |

Portfolio: avinashmishra.dev

PROFESSIONAL SUMMARY

Senior Full-Stack Developer with 7+ years of experience architecting end-to-end web applications and distributed enterprise systems. Specialized in building modular, type-safe full-stack platforms using Next.js/React on the front end paired with NestJS, Node.js, and cloud databases (MongoDB, Firebase) on the back end. Proven track record designing REST and GraphQL APIs, managing microservices-ready architectures, and enforcing SonarQube-compliant code quality. Leverages agentic AI tools and modern DevOps workflows to accelerate feature delivery by 25% while maintaining production stability.

CORE TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3/SCSS, SQL
- **Front-End Development:** Next.js (SSR/SSG/ISR), React.js, Tailwind CSS, Material UI (MUI)
- **Back-End Development:** NestJS, Node.js, Express, RESTful APIs, GraphQL API Design
- **Databases & Cloud Storage:** MongoDB (Mongoose), Firebase, Cloud Firestore, AWS S3, SQL, SQLite.
- **Architecture & Patterns:** Microservices, Dependency Injection, MVC, Schema Design, Data Modelling
- **Testing, Tooling & DevOps:** Jest, Postman, SonarQube, Git, GitHub, Bitbucket, Docker, Vercel, Netlify
- **AI Tooling:** GitHub Copilot, Agentic AI-assisted IDEs, Automated Refactoring

PROFESSIONAL WORK EXPERIENCE

Cloud Specialist / Full-Stack Engineer | Niveus Solutions Private Limited

March 2024 – Present | Bengaluru, India

- Architect and implement full-stack cloud solutions, bridging front-end user experiences with scalable enterprise backend architectures.
- Design robust server-side APIs and integrate complex core systems, maintaining decoupled modular services with strict typing.
- Enforce testing and code quality benchmarks using SonarQube, unit test suites, and mock server APIs.
- Spearhead agentic AI-assisted development practices across the team, increasing overall sprint productivity and code accuracy by 25%.
- Direct Agile sprint ceremonies, technical documentation, architectural reviews, and continuous integration pipelines.

Senior Full-Stack Developer | GarbhaGudi IVF Centre

September 2019 – March 2024 | Bengaluru, India

- Served as the sole end-to-end engineer handling full system architecture, database design, API integrations, and cloud deployment.
- Engineered dynamic web applications using Next.js and TypeScript, handling both client rendering and backend serverless/API routes.
- Built optimized GraphQL schemas and RESTful integrations for multi-service data fetching, media handling, and external APIs (Google Services, YouTube).
- Architected dynamic database interactions and decoupled Headless CMS workflows for high-availability production environments.
- Managed cloud hosting and asset storage on AWS S3, Vercel, and Netlify with automated build pipelines.

Systems Administrator | Raj Systems Solutions

June 2017 – May 2019 | Bengaluru, India

- Administered enterprise servers, network security configurations, and local system environments.
- Automated server maintenance tasks, scheduled backups, and performed disaster recovery troubleshooting to maximize uptime.

KEY PROJECTS

HDFC PIE (Policy Issuance Engine Modernization) | *Technical Lead / Full-Stack*

- **Client / Domain:** HDFC ERGO General Insurance | Insurtech
- **Tech Stack:** React, Next.js, NestJS / Node.js, TypeScript, REST APIs, Material UI, Duck Creek APIs, SonarQube
- **Full-Stack Architecture:** Architected scalable insurance policy issuance journeys connecting multi-step customer/agent front ends with backend transaction and calculation engines.
- **API & System Integration:** Built data-mapping layers and API adapters to securely bridge core Duck Creek insurance systems with high-traffic front-end components.
- **Quality & Scalability:** Designed mock APIs, integration tests, and unit testing suites to ensure reliable data validation across transactional policy workflows.

GarbhaGudi Digital Health Platform | *Sole Full-Stack Developer*

- **Platform:** garbhagudi.com | [GitHub Repository](#)
- **Tech Stack:** Next.js, TypeScript, NestJS, GraphQL, REST APIs, Tailwind CSS, MongoDB, AWS S3
- **Full-Stack Feature Engineering:** Developed algorithmic web tools including an Ovulation Calculator, Fertility Score Engine, and geo-location clinic finder.
- **Data Layer & Media Optimization:** Implemented GraphQL schemas for performant data retrieval and configured an automated media processing pipeline leveraging AWS S3.

- **Deployment & Performance:** Orchestrated serverless deployments on Vercel and Netlify, optimizing Core Web Vitals, SEO rankings, and backend throughput.

EDUCATION

- **Master of Computer Applications (MCA)** | Manipal University Jaipur
- **Bachelor of Computer Applications (BCA)** | Manipal University Jaipur (*CGPA: 8.0/10*)