

SUNIL KOTIAN

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Portfolio: <https://sunidk-portfolio.netlify.app/> | GitHub: <https://github.com/sunidk>

PROFESSIONAL SUMMARY:

Full Stack Developer / Software Engineer with around 3 years of backend experience (Node.js, Express.js, Nest.js, PostgreSQL) and around 1 year in React.js. Skilled in building scalable RESTful APIs, microservices in containerized environments, and experienced with AWS, GCP, Redis, and authentication, with a strong Backend Engineer focus.

PROFESSIONAL EXPERIENCE:

Niveus Solutions Pvt. Ltd (Part of NTT DATA)

– Udupi, India

Software Development Engineer I (Cloud Associate) | Nov 2022 – Present

- Developed scalable backend systems and RESTful APIs using **Node.js**, **Express.js**, and **Nest.js**, following modular and **microservices architecture** for efficient communication and maintainability.
- Designed optimized **PostgreSQL** schemas and used **Prisma ORM** in **Nest.js** and **ORM models** in **Node.js** for efficient, type-safe database operations.
- Optimized **PostgreSQL queries** using indexing, restructuring, and **batching techniques**, significantly reducing **API response times** and improving performance.
- Implemented **middleware** in **Express.js** for centralized error handling, request validation, and API response formatting, enhancing code reusability and consistency.
- Designed and implemented asynchronous workflows using **Promises**, **async/await**, and **event-driven architecture** to enhance system responsiveness.
- Implemented structured logging in **Node.js** and **Nest.js** APIs to monitor request flow, capture errors, and support real-time debugging.
- Utilized **Redis** for caching frequently accessed data, enhancing system performance and reducing database load.
- Developed and maintained **microservices** in containerized environments using **Docker**, supporting scalable and efficient deployment.
- Worked with **Google Cloud Platform** (IAM, Budget APIs) and **AWS** (CloudWatch, Budget APIs) for identity management, monitoring, and cost control.
- Wrote unit and integration tests using **Jest**, achieving 80%+ test coverage to ensure code reliability and quality.
- Developed responsive and reusable UI components using **React.js**, React Hooks, and modern JavaScript (ES6+).
- Integrated **RESTful APIs** with React applications, ensuring seamless data flow between frontend and backend.
- Followed **Agile methodologies**, participating in sprint planning, daily stand-ups, and retrospectives to ensure timely and iterative delivery.

TECHNICAL SKILLS:

- **Backend:** Node.js, Express.js, Nest.js, JavaScript (ES6+), TypeScript, REST APIs
- **Frontend:** React.js, HTML5, CSS3
- **Databases & ORMs:** PostgreSQL, Redis, MongoDB, Firebase, Prisma ORM, Sequelize
- **Cloud:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Docker, Jenkins
- **Authentication & Testing:** JWT, Keycloak, Jest (Unit Testing), SonarQube
- **Tools:** Git, GitLab, GitHub, Bitbucket, Jira, Postman, Swagger, pgAdmin4, VSCode
- **Development Practices:** Agile (Scrum, Sprint Planning, Retrospectives), CI/CD
- **Code Quality & Formatting:** SonarQube, ESLint, Prettier

EDUCATION:

- **Bachelor of Mechanical Engineering**
Shri Madhwa Vadiraja Institute of Technology and Management, Udupi | 2015 – 2019
- **Pre-University Course**
Poorna Prajna Pre-University College, Udupi | 2013 – 2015

PERSONAL PROJECTS:

- **Backend Projects** | Nov 2024 - Present | [\[Link\]](#)
Built authentication (JWT, OTP), caching (Redis), WebSocket communication, and Firebase Auth using Node.js and Nest.js.
- **Mern Authentication App** | Sept 2025 – Present | [\[Link\]](#)
Developed a responsive MERN app with user authentication (registration, login, JWT).
- **Portfolio Website** | Oct 2024 - Present | [\[Link\]](#)
Designed a personal portfolio with a responsive UI using React.js and CSS.
- **Demo Shopping App** | Aug 2022 - Sep 2022 | [\[Link\]](#)
Developed responsive e-commerce website using React.js and Bootstrap.

CERTIFICATIONS:

- **Professional Cloud Database Engineer Certification**
Google Cloud Platform (GCP) | Feb 2025

LANGUAGES:

- **English** – Professional Proficiency
- **Kannada** – Native
- **Hindi** – Conversational
- **Tulu** – Native