

# SUNIL KOTIAN

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## PROFESSIONAL SUMMARY:

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Backend Developer with ~3 years of experience building scalable RESTful APIs using Node.js and Nest.js. Skilled in cloud platforms (GCP, AWS), database optimization, authentication, and containerization. Focused on writing clean, tested, and maintainable code in Agile teams.

## PROFESSIONAL EXPERIENCE:

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### Niveus Solutions Pvt. Ltd (Part of NTT DATA)

– Udupi, India

Cloud Associate – SDE 1 | Nov 2022 – Present

- Designed and 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 secure authentication and authorization using **Keycloak** and **JWT**, enabling role-based access control.
- 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.
- Documented APIs using tools like **Swagger** to ensure clear communication of endpoints, parameters, and response formats for frontend and third-party integration teams.
- Worked on feature development, bug fixes, and task tracking using **Jira**, ensuring timely updates and completion within sprint cycles.
- Followed **Agile methodologies**, participating in sprint planning, daily stand-ups, and retrospectives to ensure timely and iterative delivery.

## TECHNICAL SKILLS:

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- **Backend:** Node.js, Express.js, Nest.js, JavaScript, REST APIs, Microservices Architecture
- **Databases & ORMs:** PostgreSQL, Redis, MongoDB, Firebase, Prisma ORM, Sequelize
- **Frontend:** React.js, HTML, CSS
- **Cloud & DevOps:** GCP, AWS, Docker, Jenkins
- **Auth & Testing:** JWT, Keycloak, Unit Testing
- **Tools:** Jira, Git, GitLab, Bitbucket, Logger, Postman, Swagger, pgadmin4, VSCode
- **Development Practices:** Agile Methodology, Scrum, Sprint Planning, Retrospectives
- **Code Quality & Formatting:** SonarQube, ESLint, Prettier

## EDUCATION:

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- **Bachelor of 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:

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- **Backend Projects** | Nov 2024 – Present – [Link](#)  
Redis caching, JWT auth, OTP verification, WebSocket integration, and Firebase Authentication.
- **Portfolio Website** | Oct 2024 – Present – [Link](#)  
React-based personal portfolio with responsive UI to showcase skills and projects.
- **JSON Converter** | Sep 2024 – Oct 2024 – [Link](#)  
Utility built with Node.js and React.js for JSON conversion and formatting.
- **Demo Shopping App** | Aug 2022 – Sep 2022 – [Link](#)  
Responsive e-commerce UI with React and Bootstrap.

## CERTIFICATIONS:

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

## LANGUAGES:

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