SUNIL KOTIAN

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PROFESSIONAL SUMMARY:

Backend Developer with around 3 years of experience in designing and maintaining scalable APIs using NodeJS. Proficient in leveraging cloud platforms to implement efficient solutions and dedicated to building reliable, high-quality backend systems.

PROFESSIONAL EXPERIENCE:

Niveus Solutions Pvt. Ltd (Part of NTT DATA), Udupi   *November 2022 – Present*

- Developed and maintained scalable RESTful APIs using **Node.js** and **Express.js**, facilitating efficient communication between frontend and backend systems.

- Built RESTful APIs using **Nest.js**, following modular architecture and **microservices principles** to support scalable and maintainable development.

- 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:

- **Backend:** Node.js, Express.js, Nest.js, JavaScript, RESTful APIs, Microservices Architecture

- **Databases & ORMs:** PostgreSQL, Redis, Firebase, Prisma ORM, Sequelize

- **Frontend:** ReactJS, HTML, CSS

- **Cloud & DevOps:** Google Cloud Platform, Amazon Web Services, Docker, Jenkins

- **Testing & Auth:** Unit Testing, JWT, Keycloak

- **Tools:** Jira, Git, GitLab, Bitbucket, Logger, Postman, Swagger, pgadmin4, VSCode

- **Development Practices:** Agile Methodology, Scrum, Sprint Planning, Retrospectives

- **Code Quality & Formatting:** ESLint, Prettier, SonarQube

EDUCATION:

- **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:

- **My Portfolio (Oct 2024 – Present)**
  Developed a personal portfolio website using React.js, showcasing projects and skills with a responsive, modern UI.

- **JSON Converter (Sep 2024 – Oct 2024)**
  Built a tool using Node.js and ReactJS that enables efficient and user-friendly JSON data conversion and formatting.

- **Demo Shopping App (Aug 2022 – Sep 2022)**
  Created a demo e-commerce application focused on UI/UX using ReactJS and Bootstrap, with a fully responsive layout and interactive features.

- **Backend Projects (November 2024 – Present)**
  Implemented Redis caching for faster data retrieval, JWT authentication for secure API access, email and mobile OTP verification for user validation, and integrated Firebase Authentication using Node.js and Express.js.

LANGUAGES:

- **English** – Professional Proficiency

- **Kannada** – Native

- **Hindi** – Conversational

- **Tulu** – Native