Saiprasath B

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Professional Summary

Full-stack developer with 2+ years of hands-on experience in backend development using Node.js, Django, and PostgreSQL. Designs, implements, and scales production-ready web applications with practical DevOps experience across Docker, Kubernetes, and CI/CD pipelines. Builds authentication and authorization systems including SSO and RBAC, integrates third-party APIs, and manages infrastructure for reliable, high-performance services. Writes clean, maintainable code and collaborates effectively with cross-functional teams in agile environments. Experienced in developing secure and compliant data systems, with exposure to financial domains such as AML and tax compliance. Deploys applications on AWS EC2 using Nginx and Docker.

Technologies

Languages and Frameworks: C++, C, Java, TypeScript, JavaScript, Python, Node.js, Express.js, Django, Next.js, React Native, HTML, CSS, Tailwind, SQL

Authentication/SSO: Passport.js, BetterAuth, Django-allauth, JWT, RBAC

DevOps/Tools: Docker, Kubernetes, Nginx, Git, GitHub, CI/CD, Postman, VScode, AWS

Deployment Platforms: Vercel, Render, XAMPP

Databases/ORMs: PostgreSQL, MySQL, MongoDB, Sequelize ORM, Drizzle ORM

Data/ETL/Analytics: dbt, Airbyte, Snowflake

Testing/Automation: Playwright, Selenium, Jest

Relevant Coursework: Data Structures & Algorithms, Operating Systems, OOPs, DBMS

Area of Interest: Web Design and Development, Blender, Graphic Designing, Problem Solving, IoT, System design and development.

Education

SRM Institute of Science And Technology   *Dec 2023 – Dec 2025*
MCA
Skills learnt: Next.js, Drizzle ORM, Playwright, Jest

Sri Sathya Sai Institute of Higher Learning   *Jun 2019 – Aug 2023*
BSc. in Mathematics
Skills learnt: C, C++, MongoDb, Blender

Experience

Anjane Technologies - **Software Engineer**   *Chennai, India*
                                                                 November 2023 – Present

- Led backend and full-stack feature development using **Django**, **Node.js**, and **PostgreSQL**, delivering **8+ production features** used across **3+ internal teams**, reducing feature turnaround time by approximately **20%**.
- Containerized and deployed **6+ backend services** using **Docker** and **Kubernetes**, configuring **Nginx** for production traffic, resulting in **more consistent releases** and a noticeable reduction in environment-related deployment issues.
- Developed and maintained **SSO integration (Django-allauth)** with Google, GitHub, Microsoft, and Snowflake OAuth.
- Built secure **role-based user management**, **feature flag logic**, and **Slack notifications** using Webhooks.

- Implemented CI/CD pipelines and YAML-driven feature configuration for dynamic content and automation.
- Built and tested data workflows using **dbt**, integrated with Airbyte for external data ingestion.
- Contributed to internal tooling using Java and Spring Boot to handle data validations and logging workflows.

Projects

DataOpsly – Self-Managed dbt-Core Services *dataopsly* ↗
- Developed key features like **SSO**, **Slack alerts**, **Airbyte triggers**, and **profile/permission systems**.
- Enhanced user experience with **YAML upload** capability and interactive UI using **JS**, **HTML**, and **Tailwind CSS**.
- Delivered detailed product documentation using **MkDocs** and created demo videos via **Loom**.
- Built and tested with **Playwright** and Selenium.
- Skills learnt: Snowflake, dbt, Airbyte, BetterAuth, Drizzle ORM

Perkspe – Reward Redemption App *(In Progress)* *PerksPe* ↗
- Developed a **React Native** mobile app for reward redemption with VKYC, digital card issuance, and secure payments.
- Architected a scalable backend using **Node.js**, **Express**, **PostgreSQL**, and **Sequelize ORM**, featuring multi-provider authentication via **Passport.js** and **Google OAuth**.
- Integrated third-party financial services including **Transcorp Enterprise** for KYC/VKYC and card lifecycle management, **Syntizen** for video KYC, and **PayU** for end-to-end payment processing.
- Implemented end-to-end onboarding and transaction workflows for identity verification, card provisioning, and payments with **real-time status tracking**.
- Implemented platform-wide **Role-Based Access Control (RBAC)** with hierarchical permissions and **JWT-based authentication** to secure sensitive financial operations.

ESP32-based iPod (IoT Audio Device) *Personal Project*
- Designing and developing a standalone **iPod-like audio player** using the **ESP32 microcontroller**.
- Implemented **Bluetooth-based audio playback** and device control without Wi-Fi dependency.
- Integrated hardware components including **buttons**, **display**, and external storage for audio files.
- Focused on **low-power optimization**, embedded system design, and firmware development.
- Gained hands-on experience with **IoT hardware–software integration** and embedded C/C++ programming.

ESP32-based Tracking Device *MCA Final Sem Project*
- Built an **ESP32-powered tracking device** as part of the MCA final semester project at SRM.
- Integrated **sensor modules** and real-time data transmission for tracking and monitoring purposes.
- Implemented **Bluetooth communication** for local device interaction and status updates.
- Designed the system with a focus on **real-time data handling**, reliability, and power efficiency.
- Demonstrated end-to-end **embedded system development**, from circuit design to firmware logic.

Publications

Django application with allauth configuration. Jul 2024
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Django allauth ↗

Integrating Snowflake OAuth with django Aug 2024
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Snowflake OAuth ↗