

Subramanian Anand

Full Stack Developer

✉ subramaniananand15@gmail.com | 📞 +91 9159721283

🏠 Tirunelveli, Tamilnadu, India

🌐 [LinkedIn](#) | 💻 [Github](#) | 🌐 [Portfolio](#)

Professional Summary

Full Stack Developer with proven expertise in delivering end-to-end solutions across web and mobile platforms. Skilled in modern frontend frameworks (React.js, TailwindCSS, Bootstrap, MaterialUI) and backend technologies (FastAPI, Node.js, REST APIs). Experienced in mobile app development using React Native, Expo, and Flutter with Provider state management. Strong knowledge in data management and integration using SQL, PostgreSQL, MongoDB, MinIO S3, Trino, and Pylceberg. Proficient in DevOps practices with Docker and OpenShift, and observability-driven development using OTel, Prometheus, and Grafana. Adept at implementing role-based access control (RBAC) and data mesh principles to ensure scalability, security, and resilience.

Skills

- **Programming skills** : Javascript, Python
- **Frontend** : React.js, TailwindCSS, Bootstrap, MaterialUI
- **UI / UX** : Figma
- **Backend** : FastAPI, Node.js, REST APIs
- **Mobile App Development** : React Native, Expo, Flutter, Provider State Management
- **Source Code Management** : Github
- **Data Management** : SQL, PostgreSQL, MongoDB, MinIO S3, Trino, Pylceberg
- **DevOps & Tools** : Docker, Openshift
- **Observability & Monitoring** : Open Telemetry (OTel), Prometheus, Grafana
- **Others** : Observability, Role-Based Access Control, Data Mesh

Experience

Company Name	Position	Years Of Experience
Zaga Open Source Private Limited	Full Stack Developer	2024 - Present
Toolfe IT Consultancy & Services	Frontend Developer	2023 - 2024
Kavin Creation	Knitting operator	2022 - 2023
Calsonic Kensai Motherson	Production Engineer	2019 - 2021
TVS Sundaram Fasteners	CNC Operator	4 Months

Projects

Data Product Application

Feb 2025 – Apr 2025

Full Stack Developer

Zaga Open Source Private Limited

- Developed a responsive and user-friendly web application interface using React and Tailwind CSS for managing and visualizing data products.
- Built modular and reusable components to maintain consistency across pages, including dashboards, tables and forms.
- Integrated RESTful APIs to dynamically fetch and update product and user data.
- Designed and implemented a microservices-based architecture using FastAPI for modularity and scalability.
- Implemented JWT-based authentication and role-based access control for secure API access.
- Ensured cross-platform performance and smooth animations using Provider for state management.
- Collaborated with UI/UX designers to enhance visual aesthetics and overall user experience.

Application Platform and Technology:

Technology Stack :

Frontend React, TailwindCSS

Language Javascript

Integration	Python-FastAPI
State Management	React Hooks, Context API
API Integration	RESTful APIs

Meat Product Store – Flutter Application

Feb 2025 – Apr 2025

Flutter Developer

Zaga Open Source Private Limited

- Developed a mobile application for a meat store using Flutter with a focus on responsive design and user-friendly navigation.
- Created reusable widgets for consistent UI and implemented key features like product listing, detail views, and user profiles.
- Integrated RESTful APIs to dynamically fetch and update product and user data.
- Ensured cross-platform performance and smooth animations using Provider for state management.
- Collaborated with UI/UX designers to enhance visual aesthetics and overall user experience.

Application Platform and Technology:

Technology Stack :

Operating System	Android, iOS
Mobile Framework:	Flutter
Language:	Dart
Integration	Python-FastAPI
State Management:	Provider
API Integration:	RESTful APIs

Observability - DataMesh

Jan 2024 – Jan 2025

Full Stack Developer

Zaga Open Source Private Limited

- Worked closely with the business team to understand functional and technical requirements, ensuring they aligned with organizational objectives.
- Crafted a scalable and reliable product architecture based on comprehensive requirement analysis.
- Designed and implemented an event-driven architecture to enable real-time data streaming and seamless communication between microservices using Kafka.
- Developed a data analytics framework using Python and FastAPI, providing REST APIs for data retrieval to support analytics and dashboards.
- Created a robust data ingestion framework with Python FastAPI, ensuring efficient integration and smooth data flow throughout the application.
- Adopted a data mesh architecture utilizing the Trino federated query engine to process large- scale datasets.
- Leveraged Iceberg/Hive Metastore for metadata management and used MinIO/S3 for scalable data storage solutions.
- Built a responsive and interactive user interface with ReactJS, delivering an optimal user experience.
- Applied best practices to enhance application performance and maintain code maintainability.

Application Platform and Technology:

Technology Stack :

Operating System	Red Hat Linux 9.3
Deployment Platform	Openshift 4.14
Federated Query Engine	Trino
Integration	Kafka, Python-FastAPI
UI Framework	React JS
Storage	Minio-S3

VPBank Role-Based Access Control Vietnam

Jan 2024 – Mar 2024

Full Stack Developer

Zaga Open Source Private Limited

- Developed a role-based access control system for VPBank using React for the frontend and Python FastAPI for backend API services.
- Implemented role-specific access restrictions for various user types, including Admin, Gold, and Platinum customers, to ensure tailored access based on customer levels.
- Utilized Trino with file-based access control to define and manage data access rules, allowing precise schema and table-level access depending on user roles
- Enabled dynamic permissions for creating, reading, updating, and deleting schema catalog tables, customized for each user role.
- Integrated loyalty data, such as transaction counts and frequency, to meet specific promotional program requirements (e.g., customer spending behavior for targeted campaigns).
- Streamlined user interface workflows, allowing users and administrators to efficiently interact with complex data access controls.

Application Platform and Technology:

Technology Stack :

Operating System	Red Hat Linux 9.3
Deployment Platform	Openshift 4.14
Federated Query Engine	Trino
Integration	Kafka, Python-FastAPI
UI Framework	React JS
Storage	Minio-S3

Toolfe Landing Page

Frontend Developer

Toolfe IT Consulting & Services

- Assisted in the development of website features and enhancements using HTML, CSS, and JavaScript.
- Participated in code reviews and contributed to improving coding standards and best practices. Conducted research on emerging web technologies and proposed recommendations for implementation.
- Collaborated with senior developers on various projects, gaining hands-on experience in web development methodologies.

Application Platform and Technology:

Technology Stack :

Operating System	Windows
UI Framework	React JS
CSS Library	Bootstrap, sass

Education

2015 - 2019

Bachelor of Technology
Kalasalingam University, Virudhunagar