

Bijumon Sekharan
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<https://biju.jobfolio.in/>

Bijumon Sekharan

SKILLS

- Programming Languages: Python
- Frameworks: Django, Flask, FastAPI, Pydantic, Microservices
- API Development: Django Rest Framework, GraphQL, Django Ninja, WebSockets, Swagger
- Frontend Technologies: HTML, CSS, Bootstrap, HTMX, JavaScript, React
- Cloud Services: AWS (EC2, S3, RDS, DynamoDB, Lambda, Fargate, Serverless Architecture, SNS, SQS, Kubernetes), Azure (ADO Pipelines, Azure Repos, Azure App Service, ACR, Azure Functions, etc.)
- DevOps Tools: GitHub, Jenkins, Docker, GitHub Actions, Azure DevOps, Jira
- Search and Analytics Tools: Elasticsearch, Sentry, Datadog
- Version Control: Git, Bitbucket
- Database Management: MySQL, PostgreSQL, SQLAlchemy
- Testing and Debugging: PyTest, unittest
- Operating Systems: Linux
- Task Queues and Message Brokers: Celery, Redis, RabbitMQ
- Payment Integration: Stripe, Razorpay
- Enterprise API Integration: Experience integrating enterprise APIs for seamless data exchange and enhanced functionality
- Data Engineering: ETL (Extract, Transform, Load), data wrangling, feature engineering, Pandas, Snowflake
- Compliance & Security: KYC/AML, data encryption, audit logging, e-signature Compliance

CAREER SUMMARY

- Accomplished IT professional with 11 years of experience specializing in Python development, utilizing frameworks such as Django, Flask, and FastAPI to build scalable, high-performance applications. Proficient in deploying cloud-based solutions using AWS and Azure, with a strong track record in modern software architecture, automation, and agile practices. Additionally, brings many years of experience in the mechanical engineering field, enriching technical projects with a multidisciplinary perspective and robust problem-solving skills

EXPERIENCE

Ejyle Technologies, Bangalore – *Senior Software Engineer*

May 2023 – Nov2024

- Maintains and updates applications in the food sector using Python, Django, and Flask.
- Implements new features and modules to enhance functionality.
- Identifies, diagnoses, and resolves production issues to ensure smooth operations.
- Collaborates with international clients to understand and fulfill requirements.
- Works closely with cross-functional teams to deliver high-quality software solutions.

Projects:

- SSO: Implemented Single Sign-On using OAuth2 and OpenID Connect.
- SCM: Automated supplier and product data workflows.
- Regulatory Assessment and Regulatory certification: Built platform for mapping and verifying regulatory data.

Project Description:

- SSO (Single Sign-On): Developed and maintained a unified authentication solution across multiple applications using OAuth2, OpenID Connect and Azure Active Directory, enabling a seamless user experience with centralized access control and improved security for FoodChainID's suite of tools. The SSO implementation ensured streamlined access across regulatory, supply chain, and certification platforms, enhancing operational efficiency for users.
- SCM (Supply Chain Management): Automated workflows to handle supplier and product data, creating a transparent and efficient data pipeline within the supply chain. By implementing automated triggers and validation mechanisms, the SCM module enabled accurate, real-time updates of supplier and product status, reducing the risk of data inconsistencies across the system.
- Regulatory Assessment: Built and maintained a platform dedicated to mapping and verifying regulatory data, helping ensure FoodChainID's products comply with complex international food safety standards. This

application processed and cross-referenced data from multiple sources using Pandas to transform and load it into target databases, allowing regulatory teams to efficiently manage compliance requirements.

- Regulatory Certification (Product Certification and Documentation): Managed tools for product certification, data validation, and regulatory documentation within a centralized system. This involved developing a safety bypass module that utilized data processing workflows to handle data from diverse sources, clean and validate it with Pandas, and update it in Snowflake as the target database. Snowflake's scalability and performance enabled efficient data processing and querying. The solution optimized regulatory compliance processes, facilitated advanced analytics, and enabled seamless data access for product certification.

Technologies Used:

- Languages: Python
- Frameworks: Django, Flask, FastApi, Pytest
- Databases: PostgreSQL
- Tools: Git, Docker, Kubernetes, AWS Lambda, ECS, Fargate, etc

Wegren Technologies Pvt. Ltd., Bangalore – *Lead Python Developer*

October 2022 – May 2023

- Developed and maintained RESTful APIs for a Service Desk Application in the health sector.
- Designed and implemented scalable database models.
- Mentored junior developers and provided technical oversight.
- Diagnosed and resolved production issues promptly.
- Collaborated with domestic clients to gather requirements and ensure final product satisfaction.
- Worked within a team of 3 developers

Project: HelpDesk

Project Description:

- The application is designed as a versatile tool for hospitals and similar organizations. It enables users to raise help and support requests directly within the platform, which are then automatically routed to the relevant departments and personnel. This ensures prompt attention to issues and fosters efficient communication and resolution across the organization.

Technologies Used:

- Languages: Python,
- Frameworks: Django
- Databases: PostgreSQL

Planet Media India Limited, Info Park, Kochi, Kerala – *Senior Python Developer*

July 2020 – October 2022

- Developed Multitenant application for the fitness Industry
- Led a team of eight developers for the application
- Contributed to the development using Python , Django and React.
- Conducted code reviews and unit testing.
- Participated in client meetings to gather requirements and provide progress

- updates.
- Team size 5
- Client: FitUp360 Group
- Project: FitUp360

Project Description:

- This application is designed to efficiently manage fitness clubs, yoga centers, and similar organizations. Its multi-tenant architecture allows each client to operate as if they have their own individual web application, ensuring a customized experience while sharing the same underlying infrastructure. The application leverages the Django multi-tenant library with PostgreSQL schemas, enabling secure and isolated data management for each tenant while maintaining a streamlined and scalable system.

Technologies Used:

- Languages: Python, React
- rameworks: Django
- Databases: PostgreSQL
- Tools: Git

Exterran Middle East LLC, Oman – *Python Developer*

April 2017 – June 2020

- Implemented data acquisition from refinery equipment using Modbus and OPC-UA protocols, allowing seamless communication between Programmable Logic Controllers (PLCs) and the application.
- Developed backend features in Python and Django to process sensor data (e.g., temperature, pressure, flow), enabling real-time monitoring and alerts for refinery operations.
- Collaborated with a multidisciplinary team to design high-availability solutions that interface with SCADA systems for process control and automation.
- Leveraged Django for backend development, creating custom APIs for interacting with industrial equipment. Used HTML, Bootstrap for responsive front-end interfaces, and PostgreSQL for storing and analyzing large-scale refinery data.
- Worked within a team of 4 developers on the software side.
- Project Name: PetroMetrics

Project Description:

- The Refinery Process Management System is a comprehensive application designed to monitor and record every stage of the refinery process. It captures critical data on crude oil intake, refining processes, and the output of various refined products such as gasoline, diesel, and other petroleum derivatives. The application provides real-time production statistics, offering insights into the efficiency of the refinery operations. It includes detailed analytics on crude oil quality, production yields, and operational performance, enabling refinery managers to optimize processes, reduce costs, and ensure consistent product quality.

Technologies Used:

- Languages: Python,

- Frameworks: Django, Flask
- Databases: PostgreSQL
- Tools: Git

Gowdanar Technologies, Bangalore – *Python Developer*

April 2013 – February 2017

- Developed a financial application for investment and loans.
- Utilized Django for backend development, ensuring robust and scalable applications.
- Performed code reviews and maintained coding standards.
- Provided technical support to clients, addressing and resolving issues promptly.
- Worked within a team of 8 developers.
- Project: AnyTimeLoan(www.anytimeloan.in)

Project Description:

- Anytime Loan is an innovative financial services platform that provides instant and accessible loan solutions to customers across India. The company specializes in offering a wide range of financial products, including personal loans, business loans, and microfinance, tailored to meet the diverse needs of Clients.

Technologies Used:

- Languages: Python, Angular
- Frameworks: Django
- Databases: MySQL
- Tools: Git

EDUCATION

Government Polytechnic, Kottayam, Kerala – *Diploma in Engineering*

MARCH 1986 – APRIL 1989

LANGUAGES

English - Fluent