DHANANJAYAN H

SOFTWARE ENGINEER

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KOCHI, KERALA

GITHUB | LINKEDIN

PROFESSIONAL SUMMARY

Software Engineer specializing in backend development and data engineering. Skilled in designing and building AI-driven orchestration systems, scalable backend architectures, and asynchronous data pipelines. Proven ability to take ownership of projects, deliver high-quality solutions ahead of deadlines, and mentor teams.

EXPERIENCE

PixDynamics Pvt. Ltd. — Software Engineer

Kochi, Kerala | Mar 2023 – Present

Developed and maintained **backend APIs** powering customer onboarding and verification workflows. Collaborated with cross-functional teams (AI, frontend, product) to deliver and integrate end-to-end workflow features.

Bluepond AI (US-based) — Data Engineer (via PixDynamics)

Remote | Oct 2023 – Jul 2025

Developed the **core data orchestration pipeline** that powered insurance document ingestion and AI-driven extraction. Designed backend systems integrating **Celery**, **FastAPI**, and **MongoDB** for async task execution.

EDUCATION

Master of Computer Applications (MCA)
Amrita Vishwa Vidyapeetham | 2024 – Present

Bachelor of Computer Applications (BCA)

CMS College, Kottayam (MG University) |2019 – 2022

Higher Secondary Education

Kerala State Board | 2017 – 2019

AWARDS & RECOGNITION

Best Performer — Bluepond AI (2024)

Outstanding Performer Award — PixDynamics (2025)

Best Debut Performer — PixDynamics (2023)

TECHNICAL SKILLS

Category	Skills	Proficiency
Languages	Python (Expertise), JavaScript (Intermediate)	Expertise, Intermediate
Frameworks & Libraries	Django, FastAPI, Celery, Pydantic, GraphQL	Expertise
Databases	MongoDB, PostgreSQL, OracleDB	Expertise
Cloud & Serverless	Azure Functions, Azure App Service, Azure Container Apps, AWS Lambda	Experienced
Storage	Azure Blob Storage, AWS S3, MinIO	Expertise
Messaging & Caching	Redis, Azure Service Bus	Expertise
DevOps & CI/CD	Docker, Traefik, GitHub Actions, GitLab CI/CD	Experienced
Web Servers & ASGI	Uvicorn, Hypercorn, Gunicorn, Nginx	Experienced
Generative AI & LLM Tools	LangFlow, LlamaIndex, OpenAI API, Gemini	Experienced
Others	REST APIs, Microservices, Data Pipelines	Experienced

CERTIFICATIONS

Python Django Full Stack Web Development — Luminar Technolab | Jul 2022 – Feb 2023

PROJECTS

Core Engineering Projects

(*PixDynamics & Bluepond AI*)

1. **AI Data Orchestration System** — Bluepond AI (Oct 2023 – Jul 2025)

   - Built an AI-driven insurance document extraction pipeline integrating multiple AI services.
   - Developed Celery-based asynchronous orchestration for document classification, extraction, and webhook handling.
   - Supported multiple Lines of Business (LOBs) with a modular and scalable architecture.
   - Improved data throughput by **40%** and reduced manual review time.

   Tech Stack: FastAPI, Celery, MongoDB, Redis, Azure Blob Storage

2. **Workflow Engine** — PixDynamics (Aug 2025– Present)

   - Dynamic workflow orchestration system for VideoKYC onboarding.
   - Implemented real-time form rendering and data validation logic with FastAPI and MongoDB.
   - Developed orchestration components for onboarding flow management and real-time data syncing.

   Tech Stack: FastAPI, MongoDB, Redis, WireMonk, Minio

3. **ReKYC Platform** — PixDynamics (Jul 2023 – Oct 2023)

   - Led end-to-end backend development of CSB Bank's ReKYC platform.
   - Optimized API queries and caching layers to enhance backend performance by 30%.
     Tech Stack: Django, OracleDB, Redis

4. **Analytics Dashboard** — PixDynamics (Mar 2023 – Jul 2023)

   - Built an analytics dashboard for South Indian Bank with Django, DRF, Django Channels and JavaScript.
   - Provided real-time insights for user activity and system performance.

   Tech Stack: Django, OracleDB, JavaScript

Open Source & Personal Projects

5. **Launchbox** — **Open Source Deployment Platform (2025)** | GitHub Repo

   An open-source, self-hosted "Git-push-to-deploy" platform similar to Heroku, enabling developers to deploy apps directly from Git repositories.
   - Built using Python, Docker, and Traefik.
   - Automates containerization, routing, and service exposure using Git hooks and reverse proxying.
   - Supports continuous deployment with isolated environments.
   - Reduced deployment complexity for developers by simplifying CI/CD setup.

Tech Stack: Python, Docker, Traefik, Git Hooks

6. **PySniffer** — Python Profiling Package (2024) | [GitHub Repo](#) | [PyPI](#)

   A lightweight profiling package that measures execution time, CPU time, and memory usage of Python functions.
   - Provides detailed runtime logs using cProfile .
   - Offers configurable logging, file outputs, and console reports.
   - Adopted by multiple open-source contributors for performance diagnostics.

   Tech Stack: Python, cProfile, Logging

7. **Heythere** — Social Media Platform (2022) | [GitHub Repo](#)

   A full-featured social networking platform connecting users globally with real-time communication features.
   - Includes authentication, multilingual support (English & Malayalam), posts, feeds, and chat rooms.
   - Features friend requests, likes, comments, and group functionalities.
   - Deployed on Heroku with AWS S3 for media storage.

   Tech Stack: Django, PostgreSQL, AWS S3, Heroku, AJAX, Bootstrap