

Dushmanta Behera

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WORK EXPERIENCE

HyScaler

Aug 2025 – Present

SDE-1

- Developed a **RAG microservice** using **Postgres + pgvector**, achieving **75–80% improvement** in context-aware responses.
- Implemented document extraction pipeline using **Docling, Kreuzberg, and Unstructured** with **Hugging Face embeddings**, achieving **90% similarity** in semantic search.
- Configured **Celery with Redis** for offloading document processing, enabling **parallel extraction** and optimized resource usage; integrated **Flower** for task monitoring.

Junior Software Developer

Aug 2024 – July 2025

- Built and deployed a microservice to list application on **ADP Marketplace**, enabling employer lifecycle management, bringing **25 new employers**.
- Optimized large file processing with **Node.js worker threads**, achieving **100% uptime**.
- Improved query performance using **MongoDB aggregation pipelines**, eliminating timeouts.
- Automated monthly emails and membership workflows via **cron jobs**, removing manual CSV processes.
- Integrated **Gemini, Amazon Bedrock, and OpenRouter** with structured data output for downstream processing.

Software Developer Apprentice

Jan 2024 – July 2024

- Implemented **Spatie Role-Permission package** for scalable role management in CRM.
- Configured **Laravel jobs and queues** for background processing of external APIs and long-running tasks.
- Integrated **GraphQL endpoints** for flexible querying and improved client-server communication.

Infophy (Formerly Webysis)

Nov 2023 – Jan 2024

Frontend Web Developer

- Integrated **WooCommerce REST APIs** for dynamic product display.
- Managed application state with **Redux** for complex UI interactions.

Frontend Developer Intern

Sept 2023 – Nov 2023

- Designed responsive landing page and seller dashboard with deployment workflows.

Invicta Ltd

Dec 2023 – Mar 2024

Frontend Developer

- Integrated **Shopify GraphQL APIs** for product data and checkout functions.
- Built responsive product pages with clean UI across devices.

TECHNICAL SKILLS

- Languages:** HTML/CSS, JavaScript, TypeScript, Python, PHP, Markdown
- Frameworks & Libraries:** Node.js, Express.js, Sails.js, NestJS, FastAPI, React, Next.js, Tailwind, Laravel, FilamentPHP, GraphQL, Astro
- Databases:** PostgreSQL, MongoDB, pgvector, MySQL
- Tools & Platforms:** Git, GitHub, GitHub Actions, Docker, GitLab, VPS, Nginx, Caddy, Celery

OTHER ACTIVITIES

- Open Source Contributions:** Contributed to repositories like **Brave, LangChain, Stanford NLP** etc. – dushmanta.dev/oss-contributions
- Technical Blogging:** Write about things I learn and build to help others – dushmanta.dev/blog

EDUCATION

VSSUT, Burla

2015 – 2019

Bachelor of Technology in Electrical Engineering

Burla, Odisha