

# Shreenidhi HD

## Full-Stack Software Developer

Building scalable SaaS platforms with Python, FastAPI, Django, React, and cloud automation — 3.6+ years in full-stack development.

### Profile Summary

Full-stack developer with 3.6+ years of experience building fast, scalable web platforms across backend and frontend. Specialized in Python (Django, FastAPI), React.js, and automation workflows for eCommerce and SaaS products.

- Skilled at working across multiple technology stacks — backend, frontend, DevOps, and cloud — with a strong focus on delivering business-ready solutions in fast-paced environments.
- Experienced in building REST APIs and working with GraphQL integrations, modeling relational data with PostgreSQL/MySQL, and developing responsive UIs using React + MUI.
- Familiar with cloud deployments on AWS, Docker-based environments and basic CI/CD using GitHub Actions.
- Delivered end-to-end product features — including data sync, user segmentation, campaign builders, integrated AI-powered recommendations, and live chat systems.
- Worked on Shopify-based app development, ensuring seamless integration with third-party APIs and platforms.

### Employment Details

#### Dec 2021 – May 2025: ShopAgain (LatticeAi) as Software Developer

**Team Size:** 8  
**Tech Stack:** React.js, Next.js, TypeScript, Python, Django, Flask, FastAPI, Node.js, Express.js, PostgreSQL, Redis, Docker, AWS, GraphQL, Qdrant, Celery

#### Project 1 – ShopAgain Platform (Retention Marketing Solution)

**Role:** Software Developer  
**Description:** Contributed to a retention marketing platform used by 150+ Shopify/WooCommerce merchants for automated campaigns across email, SMS, and WhatsApp.

- Migrated core APIs from REST to GraphQL, aligning with Shopify's API structure and improving response efficiency.
- Built responsive UI components using React.js + Material UI for dashboards and onboarding flows.
- Designed and optimized PostgreSQL schemas for storing high-volume eCommerce data.
- Developed advanced audience segmentation and multi-step automation flows.
- Integrated third-party services including Mailgun, TrustSignal (SMS), and WhatsApp Cloud API.
- Built internal tools using Python + Selenium and Node.js + Puppeteer to reduce manual workflow
- Integrated EasyEmail as a drag-and-drop email template builder, allowing merchants to create branded emails without code.
- Developed custom template creation UI for both email and WhatsApp, supporting variable insertion, previews, and testing modes.

**Core Competencies**  
Full Stack Development  
Full Stack Web Development  
Backend API Design  
Frontend Development  
Cloud Deployment  
CI/CD & Docker  
API Integration  
Generative AI Integrations  
Automation & Task Queues  
Performance Optimization  
Debugging  
Product Onboarding  
Internal Tooling  
User-Centered Design  
Rapid Prototyping

**Languages:**  
Python, JavaScript, TypeScript, HTML, CSS, PHP

**Frameworks & Libraries:**  
Django, FastAPI, Flask, React.js, Next.js, Express.js, Bootstrap, MUI, Laravel

**Databases & Queues:**  
PostgreSQL, MySQL, MongoDB, Redis, Celery, Qdrant, SQS

**DevOps & Cloud:**  
Docker, Git, GitHub, AWS, Linode, GCP (basic), Azure (basic)

- Developed internal Flask-based microservices to serve LLM-related content such as bestsellers, cross-sell suggestions, trending items, and prediction-based product recommendations, used by various AI-driven features within the platform.

## Project 2 – Chatty: Conversational AI Chatbot for Shopify Store

**Team Size:** 4

**Role:** Backend Developer & Integrator

**Description:** Built and maintained backend logic and integrations for Chatty, a conversational engine powering multi-channel customer chats via WhatsApp, Instagram, and Email. The system was deeply integrated with the ShopAgain platform and used by eCommerce merchants for real-time support.

- Developed APIs using FastAPI for webhook ingestion, chat tracking, and message delivery.
- Worked with the LLM team to connect user input and AI-generated responses.
- Integrated Chatty with ShopAgain's Next.js-based chat UI, handling message routing and delivery.
- Built a Qdrant + OpenAI-powered semantic product search to match user queries to catalog items.
- Added backend logic to update product metadata like stock, price, and new arrivals.
- Implemented tag assignment and manual intervention notifications for flagged conversations.
- Logged all events and chat history into PostgreSQL for analytics and support diagnostics.

## Project 3 – Next.js Live Chat UI (Integrated with Chatty + ShopAgain)

**Team Size:** 2

**Role:** Frontend Developer

**Description:** Built a customer-facing live chat interface using Next.js, embedded into Shopify storefronts via ShopAgain. It connects users to automated responses or manual support via the Chatty backend.

- Developed responsive, embeddable chat UI with Next.js, React.js, and TypeScript.
- Enabled real-time chat features including message sending, response rendering, and loading indicators.
- Integrated backend for end-to-end message flow and history retrieval.
- Implemented user info capture (name, email, phone) and UI features like fallback states.
- Ensured mobile-first, cross-platform compatibility using Material UI.
- Coordinated with backend teams to support full chat pipeline (input → LLM/human response → delivery).

## Certifications

- Introduction to Back-End Development (Meta)
- Programming in Python (Meta)
- Python (Basic) Certificate (HackerRank)
- Software Engineer Certificate (HackerRank)
- Agile Crash Course: Agile Project Management; Agile Delivery (Udemy)
- The Complete 2023 Software Testing Bootcamp (Udemy)
- The Complete 2023 Web Development Bootcamp (Udemy)
- React JS from the Beginning with Redux and React Router (Udemy)

## Freelance Work

**Tech Stack:** PHP (Laravel), React.js, Chakra UI, MySQL, Docker, Linode VPS

- Built and delivered two full-stack web applications using Laravel (backend) and React.js + Chakra UI (frontend).
- Developed a standalone RSS feed aggregation and search system with REST APIs, allowing users to manage multiple feeds, filter content by region, and search by keywords.
- Integrated the RSS system into a modular platform for real-time content delivery.
- Handled MySQL schema design, backend API logic, frontend development, and Docker-based deployment on Linode VPS.

## Personal Projects

**HumaniPy:** (A Python package for simulating human-like behavior in web automation and scraping tasks (random delays, human-like scrolling, stealth mode).)

[GitHub](#) || [PyPI](#)

### Shopify App Boilerplate

Tech Stack: Django, React.js, Shopify API

- Created a reusable boilerplate for Shopify public apps with OAuth app install, store-based login/register, and routing fallback.
- Combines React frontend with Django backend for rapid Shopify app development.

### teligram\_bot\_instav2a

Tech Stack: Python, Telethon

- Developed a Telegram bot capable of downloading Instagram Reels (with music) from public URLs.
- Parses input links, fetches media, and returns downloadable content through Telegram chat interface. (Private project.)

### Linkedin-Post-Generate

Tech Stack: Python, Gemini API (Google AI)

- AI-based content generator for LinkedIn post drafts based on user mood, topic, or tone.
- Uses Gemini (Google LLM) to produce structured, personalized social content. (Private project.)

### E-Commerce Platform Checker

Tech Stack: JavaScript, Node.js

- Script that identifies if a website is built on Shopify, WooCommerce, or other common platforms.
- Analyzes source HTML, headers, and fingerprints platform presence via custom rules.

### similarweb-data-scraper

Tech Stack: Node.js, Puppeteer

- Tool to scrape traffic and engagement data from SimilarWeb, including monthly visits and average time.
- Uses Puppeteer with throttling and stealth mode to bypass detection. (Private script.)

## Education

- Bachelor of Computer Application – Kuvempu University, Thirthahalli (71%)  
(Completed in 2021)
- Pre-University Course (PUC) – Karnataka Board  
(Completed in 2018)
- SSLC (Secondary School Leaving Certificate) – Karnataka Board  
(Completed in 2016)

## Contact Details

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