

# AMAR PREET DAS

## SOFTWARE DEVELOPMENT ENGINEER

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## Professional Summary

**Software Development Engineer** with hands-on experience in building scalable microservices and SaaS platforms using Python (Django, Flask, and Fast API) and JavaScript/TypeScript (Next.js). Proven track record of optimizing backend performance, reducing API latency, and implementing clean database-driven architectures. Experienced with cloud deployments on AWS and integrating AI-based systems into production-grade applications. RHCSA-certified with strong Linux expertise.

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## Professional Experience

### Zestminds Technologies Pvt. Ltd. – Software Development Engineer (Full-Time)

July 2024 – Present | Mohali, India |

- Built and optimized backend microservices for **Genhance.ai** using Flask; improved API performance and integrated AWS (S3, SQS, EC2). Also developed frontend modules in **Next.js** for API integration and dynamic data rendering.

**Tech stack** - Flask, Next.js, S3, SQS, Playwright, EC2

- Led full-stack development for **Patibl** using Django and Next.js; implemented Stripe and role-based authentication.

**Tech Stack** - Django, Next.js, MongoDB, Stripe API, EC2

- Deployed an OpenAI-powered chatbot on AWS Lambda and DynamoDB for **CriteriaCorp**, enabling real-time support.
  - Improved API response by 30% in **JustGetLeads** by refactoring Django modules and optimizing MySQL queries.
  - Developed HRIS integrations using Workato, Node.js, PostgreSQL, and AWS Lambda.
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## Apprenticeship

### PMKVY – Software Developer Associate

August 2023 – Feb 2024 | Mohali, India |

- Trainee at PMKVY in the sector of "IT-ITes Sector Skills Council NASSCOM" for the Software Developer Associate
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## Core Skills

- Programming:** Object Oriented Programming (OOPs), Data Structures & Algorithms (DSA)
- Languages:** Python, JavaScript, TypeScript
- Frameworks & Libraries:** Django (DRF & ORM), Flask (SQLAlchemy), FastAPI, Node.js, Express.js, Next.js (TypeScript)
- Frontend:** HTML, JavaScript (jQuery), React (via Next.js)
- API Dev. & Integration:** REST API Development, Workato Integration
- Cloud/DevOps:** Amazon Web Services (EC2, Lambda, S3, SQS, RDS), GCP (BigQuery), GitHub Actions, CI/CD
- Databases:** MySQL, PostgreSQL, MongoDB, AWS DynamoDB
- Version Control & OS:** Git (GitHub, GitLab, Bitbucket), Linux (Ubuntu, RedHat, CentOS)
- AI, Automation & Testing:** Generative AI, Prompt Engineering, Browser Automation Tools (Playwright & Browser Use)
- API Testing & Tools:** Postman, Jira & Asana (Agile Methodology)

## Certifications:

TCS NQT, RHCSA (RedHat), Cloud Engineer (Google Cloud), Python (Coursera), DevOps (Coursera)

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## Education

- **Masters of Computer Applications (MCA)** – Chandigarh University, Mohali (2022 – 2024)
  - **Bachelor of Computer Applications (BCA)** – Chandigarh University, Mohali (2019 – 2022)
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## Key Projects

- **GenhanceAI** – A Generative AI platform for GEO (GenAI Engine Optimization) & Content Optimization Solutions.

**URL:** <https://genhance.ai/>

**Tech:** Python - Flask, OpenAI & Perplexity API, Playwright, Next.js, S3, SQS, EC2

Developed backend microservices to support Generative AI-driven recommendations engine, improving data processing throughput.

Worked on Frontend development to handle user authentication using Next-Auth session, API calls to post & fetch data.

- **Patibl WebApp** – A platform for Claiming & Purchasing License Patents

**URL:** <http://patibl.com/>

**Tech:** Django, Next.js, MongoDB, Stripe API

Led full-stack development; built secure authentication using OAuth/JWT and session control via Next-Auth for role-based dashboards.

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## Interpersonal Skills

Initiative Driven | Results Oriented | Digital Fluency | Effective Communication | Critical Thinking & Decision Making | Enthusiastic & Innovative | Team Work & Multitasking | Analytical & Problem Solving | Presentation Skill | Openness to New Experiences |

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