DEVANG PADHIYAR

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Websites, Portfolios, Profiles

- https://devangpadhiyar.github.io
- https://stackoverflow.com/users/7852189/devang-padhiyar
- https://github.com/devangpadhiyar

Professional Summary

Experienced Senior Software Engineer specializing in backend development, cloud services, and AI-driven solutions. Proficient in Python, JavaScript, and Node.js, with expertise in frameworks like Django and React. Actively participates in developer communities such as StackOverflow and GitHub, consistently delivering scalable and efficient solutions. Demonstrates proficiency in cloud platforms including AWS, GCP, and Azure, with a strong background in optimizing databases and ensuring system security. Excels at project leadership, team mentoring, and driving innovation across diverse domains including finance and technology, e-commerce, and multimedia.

Skills

- **Programming Languages** : Python, Node, JavaScript, TypeScript, GraphQL, Prior knowledge: Java, X++, C++
- **Frameworks & Libraries** : Django, Celery, Data science related tools, Express, Fabric.js, React.js, Graphene, Shopify plugin development, Web scraping (Spiders)
- **Databases** : MySQL, PostgreSQL, MongoDB, SQL Server, Redis (Cache optimization and Queue service)
- **Cloud Services** : AWS, GCP, Azure, multi-tenant architecture, Cloud infrastructure setup and management
- **Media Processing** : FFmpeg pipeline, media encoding and decoding, low-level browser APIs for media, OpenCV, Pillow, Wav processing
- **AI & Machine Learning** : Langchain, Large Language Models (LLMs), Generative AI, AI video automation, subtitle processing
- **Leadership & Mentoring** : Scrum master, project management, mentoring junior engineers, Scrum methodology
- **Tools & Technologies** : Docker, CI/CD, FFmpeg, Git, PyPi, StackOverflow contributor

Accomplishments

- Got an Rising Star Award from Aubergine Solutions Pvt Ltd.
- Active contributor on StackOverflow community for past 7 years. Reached to ~660k people. (2 Gold, 23 Silver and 42 Bronze Badges)
- Active contributor of PyPi and GitHub.
- 5* Badges on hacker rank problem solving, python and SQL
- Received Certificate of Excellence from Nividata Consultancy

Work History

Senior Software Engineer   Nov 2022 - Current

Simplified, TLDR Technologies Inc   San Francisco, USA (Remote)

- Led thedevelopment of AI-powered **video automation** and **subtitle generation** and **repurposing media** projects.
- Delivered a s**calable multi-tenant** solution, enhancing system architecture and efficiency.
- Implemented l**ow-level browser APIs** to streamline media processing and interactions.
- Developed interactive canvas applications using **Fabric.js** for dynamic media content.
- Improved database performance by reducing round trips by 30-40% through custom **cache plugin** implementation.
- Managed cloud infrastructure across **AWS, GCP, and Azure,** optimizing for performance and scalability.
- Leveraged cutting-edge AI technologies, including **Langchain, large language models (LLMs)**, and **generative AI** for innovative solutions.
- Built and optimized **media processing** pipelines using **FFmpeg** for encoding, decoding, and streaming.
- Strengthened security by enforcing cross-site asset restrictions and integrating signed APIs to prevent unauthorized access.

Senior Software Engineer   Nov 2020 - Nov 2022

Aubergine Solutions Pvt Ltd   Ahmedabad, IN

- Developed and integrated backend application using **GraphQL** and **Graphene** with Django to enhance data querying and API performance.
- Led and mentored **e-commerce projects**, driving development and implementation of key features.
- Designed and implemented custom **Shopify plugins** to extend functionality and improve user experience.
- Integrated **social media connector** APIs to enable seamless interaction and data exchange across platforms.
- Implemented a secure Dwolla custom **payment gateway**, ensuring robust infrastructure and transaction security.
- Enhanced Shopify's inventory management system by extending its module capabilities for better control and tracking.

Software Engineer   Mar 2018 - Nov 2020

Nividata Consultancy   Ahmedabad, IN

- Began career as a **backend engineer**, focusing on foundational skills and technologies.
- Specialized in **fintech sector**, with expertise in **blockchain technology** and **cryptocurrency trading** systems.
- Developed **secure distributed systems** with robust authentication server interactions.
- Engineered **web scraping** solutions to generate over 10,000 restaurant leads efficiently.
- Built and maintained solutions for blockchain node communication, enhancing network operations.
- Contributed to projects in **learning management** and **education sectors**, developing tailored solutions using **NLP** and **Machine learning algorithms**.
- Led a small team in creating **automated marking system** for ed-tech domain, improving grading efficiency.

Assistant Technical Consultant   Jul 2017 - Feb 2018

Intech Systems Pvt Limited   Ahmedabad, IN
- Worked in a Microsoft Dynamics AX ERP
- Developed customized reports using SQL Server Reporting Service
- Experienced working on x++ language
- Worked on complex MIS reports which include 15-20 matrices
- Worked on HRM, Accounts receivable and Payable, Manufacturing, and Inventory management modules

Education

Bachelor of Engineering: **Information Technology**   Jul 2017

LD College of Engineering   Ahmedabad, India
- 8.07 GPA/CGPA
- Graduation with Distinction
- Java Internship, Digimation Technologies (Royal technosoft pvt ltd), Completed 2017
- Capstone Project: Speech based and Mobile Controlled Home automation, (Programming the microcontroller and write a pseudo mobile app for controlling the home appliances and various other devices)
- Professional Development Studies: Big data and Analytics, 2017

Certifications

- Hacker rank FE developer React, https://www.hackerrank.com/certificates/13d4b0284ecd
- Professional Scrum Master I, https://www.scrum.org/certificates/777941

Languages

English   **Hindi**

Gujarati