

DEEPAK PRAKASH

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ABOUT

A Backend Developer with specialization in building robust Microservices using Python and TypeScript. I can write high quality, scalable code in Python and TypeScript and create secure, performant REST/GraphQL API gateways. Additionally, I can design, deploy and maintain cost-optimized, high-performance cloud solutions.

EDUCATION

B.Tech in Computer Science 8.4 CGPA BCE, Bhagalpur

2019-2023

SKILLS

Languages	Python, TypeScript, C++, Solidity, Bash, Golang
Frameworks/Skills	Kubernetes, Docker, MERN, SQL, MongoDB, AWS, GCP, Django, web3js
Languages	Hindi, English, French
Certifications	CKAD , MongoDB Associate DBA , MongoDB Associate Developer , ML Specialization Deep Learning , Statistics with SAS , Blockchain Applications , Deep Learning using HPC

EXPERIENCE

Backend Developer@Testlify (Loopback4, MongoDB, Redis, Serverless, Docker, AWS)

Dec 2023 - Now

- Implemented redis caching/searching, sped the api speed by 30%.
- Architected a distributed code compilation system on AWS. Worked closely on CI/CD pipelines.

Backend Developer@Illuminz (HapiJS, PostgreSQL, Microservices, AWS)

July 2023 - Nov 2023

- Developed backend for a survey platform and optimized the data model to handle 50% more users at a time
- Modelled a graph database(prototype) to derive survey insights and patterns.

Backend Developer(Freelance) (Python, Django, PostgreSQL, Microservices, AWS)

Mar 2023 - June 2023

Fairplay Discord Bot (Used in 400+ discord servers, serving 19k+ players)

Remote (US)

- Developed Django backend and added data analysis features leveraging SQL for the bot and the dashboard.
- Added anti-cheat and ML model to filter explicit content. Managed/Improved cloud infrastructure.

Backend Developer Intern@SOLVECHAMP) (GraphQL, PostgreSQL, TypeScript, Microservices)

Dec 2022 - Mar 2023

- Developed a GraphQL backend, Successfully grew user base to over a thousand.
- Developed a vector DB powered solution that recommends questions to the test-takers.

Full Stack Developer, Co-founder (JavaScript, MongoDB, AWS)

Jul 2020 - Mar 2021

Vidyan Eduventures Pvt. Ltd.(Funded by Government of Bihar)

Bhagalpur, Bihar

- Successfully expanded the user base to over two thousand users.
- I developed the backend, dashboard, and Distance Matrix API for locating the nearest available tutor or student.

PROJECTS

OpenCV Chess Bot: [OpenCV](#), [d3dshot](#), [tkinter](#)

Developed a Python-based Computer Vision bot for seamless chess playing on any screen. Implemented sockets and threading, leveraging cloud servers for more powerful computations with Stockfish.