

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	Expected 2023
Sr. Secondary(12th CBSE) 87.2%, SST Tilaiya	2016 - 2018
High School(10th CBSE) 93.5%, SST Tilaiya	2011 - 2016

SKILLS

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

EXPERIENCE

Backend Developer (Python, Django, PostgreSQL, Microservices, AWS) Fairplay Discord Bot (Used in 400+ discord servers, serving 19k+ players)	Mar 2023 - Now Remote (US)
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- 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 (GraphQL, PostgreSQL, TypeScript, Microservices) SOLVE CHAMP	Dec 2022 - Mar 2023 Patna, Bihar
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- Successfully grew user base to over a thousand.
- Developed a vector DB powered solution that recommends questions to the test-takers.
- I developed a GraphQL backend using TypeScript and a code-first approach.

Full Stack Developer, Co-founder (JavaScript, MongoDB, AWS) Vidayan Eduventures Pvt. Ltd.(Funded by Government of Bihar)	Jul 2020 - Mar 2021 Bhagalpur, Bihar
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- 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.

[Scalable web app: NodeJS, Kubernetes, and microservices.](#)

Developed a scalable web app using NodeJS, Kubernetes, PostgreSQL, Redis and Express, implemented as a Microservice architecture. The app was deployed on AWS EKS platform, allowing for effortless scaling and workflow isolation with containers.

EXTRA-CURRICULAR ACTIVITIES / HOBBIES

- Avid reader, loves playing Chess, Basketball, Volleyball, Sketching and playing ukulele.
- Developing Behaviour packs for my own Minecraft server with 200+ players. Finding cheats/hacks in apps.