

# Vishnu Jayan

5 Year Experienced  
Software Engineer

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in vishnu-jayan

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Visa status: **Tourist**



## Profile Summary

Highly skilled and results-driven Senior Backend Developer with a solid foundation in software engineering and a proven track record of 5 years in delivering high quality solutions. Leveraging a strong educational foundation, holding a B.Tech in Computer Science and Engineering and a prestigious Masters from the Indian Institute of Technology Bombay, I bring a blend of academic rigor and practical expertise to every projects.

Currently reside in Abu Dhabi with a **tourist visa** and available to **join immediately**.

**Key skills:** Database design, back end software development frameworks(Django, Laravel, Node js), agile project management, API design, UML diagrams, Source code management, IDE, AWS, Web site development and management

## Professional Experiences

Apr'23 **Project Research Engineer**, *Indian Institute of Technology Bombay*, Mumbai, Top  
-Oct'23 ranked (QS rank 149) research institute with 10,000+ employees

- Scaled up an energy modelling algorithm for climate-resilient agriculture to 5000 villages of Maharashtra, India under the supervision of **Prof. Priyadharshini Jadhav** and the project funded by Government of Maharashtra and World Bank.
- Designed and developed database and APIs, implemented them using **Django and Postgresql** for collecting the energy demands of the study areas. Designed mobile app using **Figma** and developed Android application using **Flutter**.
- Learned Android application development using Flutter with in 2 months and created a flutter application.
- Organized workshops for farmers, district agriculture and electricity officers and prepared documents for the workshops with the help of **Matplotlib, Beautifulsoup, Geopandas, and Rasterio** to deliver the significance of the project.

Aug'22 **Software Engineer**, *Uplers, Client: Shapoorji Pallongi Finance*, Mumbai, India, One  
-Feb'23 of India's most valuable private enterprises having more than 5000 employees.

- Designed an **architecture for finance software** and created a minimum viable product with Python, Django, and Postgresql, which helped to verify the feasibility and list modifications and features.
- **Worked as a project team leader of 10 team mates** and performed task management, task scheduling, and resource management using JIRA. Also conducted daily and weekly progress meetings.
- Selected for engineering design team managed by the CTO of the organisation and actively participated in brainstorming discussions for the products and by products.

Jul'18 **Software Engineer**, *Indian Institute of Technology*, Mumbai, India

- Feb'22
- **Developed and deployed an internal portal for IIT Bombay** to collect data from 30 academic and 15 non academic departments using Python, helped to make policy changes to improve the international and national rankings of IIT Bombay.
  - Developed and managed websites for new projects, departments and institute using HTML, CSS, Wordpress and Drupal to enhance their digital presence.
  - Created high quality presentation and reports for Ministry of Education and Board of governance of IIT Bombay under the supervision of Joint Registrar.
  - Got recognition and appreciation for various task completion during through out the tenure.

- Sep'17 **Senior Software Engineer**, *Travancore Analytics (P) Ltd*, Thiruvananthapuram,  
 -Jul'18 Cutting edge technology consultant company with 200+ employees
- Designed and developed web application for government and private organisations using PHP, Python and Javascript to enhance the productivity of the organisations.
  - **Created a web application for the Government of Kerala** to record the news related to the performance of the Government and performed sentiment analysis.
  - Managed a team of 4 and provided industrial training for interns related to software engineering, GIT and Linux.
  - Got the appreciation from Intel Corp. team and organisational leaders for the timely delivery of the application in tight deadline.
- Apr'15 **Software Engineer**, *PIT Solutions (P) Ltd*, Thiruvananthapuram, Switzerland based  
 -Sep'17 MNC providing software solutions with 500+ employees
- Created and maintained around ten websites by performing requirement analysis.
  - Conducted training sessions in GIT, SVN, Linux, and programming in PHP and Python.
  - Secured more than 85/100 for multiple times(4) for quarterly evaluation conducted by the organisation which is considered as outstanding performance in the organisation.
  - Published two plugins in Wordpress plugin repository and other open source platforms.

## Education

- Jul'19 **Master of Technology**, *Indian Institute of Technology Bombay*, Mumbai, India  
 -Jun'22 *Specialization: Technology Development* // Major Subjects: Environmental Science, Soil, Water and Agriculture, Qualitative and Quantitative Research Methodologies
- Jun'10 **Bachelor of Technology**, *University of Kerala*, Thiruvananthapuram, India  
 -Aug'14 *Specialization: Computer Science and Engineering*  
 Major Subjects: Programming, Data structures and Algorithms, Database Management, Software Development

## Skills

- Technical Python, PHP, Javascript, Java, Django, Laravel, Node Js, ReactJS, HTML, CSS, Bootstrap, GIT, Android Development, SQL, D3.js, Machine learning, Web development, AWS, Google Earth Engine, Pandas, Scipy, sci-kit learn, Geopanda, Rasterio, QGIS, SNAP, HECRAS, PostGIS,  $\LaTeX$ , ODK,
- Others Prompt Engineering, AGILE, Waterfall, Kanban, Time management, Team management, Task management, Project planning, Project scheduling, Risk analysis, Task management, Literature review, Qualitative and Quantitative analysis, Big Data analysis, MS Office, SAP, Figma

## Additional Information

### Volunteering experiences:

- GIS analyst and researcher at Impact pod - an environmental think tank startup by IIT Bombay and IIMA alumni- from February 2022.
- Open source developer at Drupal Trivandrum group from June 2016.
- Meet up organizer at Wordpress Trivandrum group from Feb 2017.
- Programmer at Cyber Dom - a technological research and development team by Kerala Police - from Dec 2016 to Feb 2020.

**Language skills:** Fluent in English and Hindi

## Personal Information

**DOB:** 21/06/1992 | **Marital status:** Single | **Gender:** Male | **Nationality:** Indian | **Passport:** Y8525148 | **Valid up to:** 03/10/2033