

Vishnu Jayan

SOFTWARE ENGINEER

SUMMARY

- Results-driven Software Engineer with over 5 years of experience in developing, testing, and maintaining software applications.
- Skilled in Python, Javascript and modern software engineering practices.
- Strong problem-solving abilities and a proven track record of delivering high-quality solutions on time and within budget.
- Excellent communication and teamwork skills, with a dedication to continuous learning and professional growth.

EXPERIENCE

Programming Consultant

Stabilix (P) Ltd, Thiruvananthapuram

Jan 2024 - Present

- Spearheaded innovative architectural designs, optimizing system performance.
- Seamlessly integrated diverse tech stacks including Kafka, ElasticSearch, Vault, and Azure storage, enhancing workflow efficiency.

Project Research Engineer

Indian Institute of Technology Bombay, Mumbai

Apr 2023 - Sep 2023

- Analyzed data from 5000 farmers in Maharashtra, India, identifying energy demand trends for World Bank and Government of Maharashtra.
- Designed and developed a mobile application with dashboard using Python, Django, Figma, and Flutter to efficiently collect and manage energy demand data from farmers, optimizing energy supply schedules.

Software Engineer

Uplers Client - Shapoorji Pallongi Finance, Mumbai

Aug 2022 - Feb 2023

- Orchestrated database and API design, leading a 10-member team.
- Utilized JIRA for task management, conducted standup meetings, and curated user stories.
- Designed API endpoints, documented processes, and developed CRUD APIs with Node.js and Django Rest framework.

Software Engineer

Indian Institute of Technology Bombay, Mumbai

Jul 2018 - Jul 2019

CONTACT

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📍 Thiruvananthapuram, India

in <https://linkedin.com/vishnu-jayan>

🌐 <https://github.com/itsmevishnu>

SKILLS

Django, FastAPI, Python, R, MongoDB, Postgresql, Mysql, React, NodeJS, Javascript, HTML, CSS, AWS, Docker, GIT, Kafka, Elasticsearch, RabbitMQ, Microservice, Software Development Life Cycle, EDA, Linux Shell, Bash, Core JAVA

PERSONAL SKILLS

Problem Solving

Prompt Engineering

Project Management

RECENT PROJECTS

VE Healthcare Solution

Programming Consultant Jan 2024 - Present

- Developed a centralized platform facilitating seamless communication and data sharing between patients, doctors, and hospitals, enhancing patient care and treatment recommendations.
- Enabled patients to grant access to their medical history and engage private care teams, fostering collaborative healthcare management and knowledge sharing.

Technology Used: FastAPI, Azure, MongoDB, Postgresql, Kafka, Elasticsearch

Energy Scheduler Application

Project Research Engineer Apr 2023 - Sep 2023

- Contributed to the Project on Climate Resilient Agriculture (PoCRA), funded by the World Bank and Government of Maharashtra, by developing a scheduler software to optimize power distribution schedules for farmers in Maharashtra.
- Collected and analyzed farmers' data using a mobile app, enabling efficient scheduling based on shortest job first and round-robin algorithms, enhancing agricultural productivity and sustainability.

Technology Used: Django Rest Framework, Postgresql, AWS EC2, Flutter

- Spearheaded the end-to-end process of designing, developing, and hosting Django and React.js web applications, catering to a user base of 10,000+ students and 1000+ staff members, resulting in streamlined access to services, eliminating paper-based processes, and enabling 24/7 accessibility.
- Orchestrated the digitalization of academic institute activities by spearheading the development of over 10 projects, optimizing system efficiency, and facilitating seamless management of administrative tasks, leading to enhanced productivity and operational excellence.

Senior Software Engineer
Travancore Analytics(P) Ltd, Thiruvananthapuram
Sep 2017 - Jul 2018

- Engineered and implemented web applications utilizing Python and PHP frameworks, revolutionizing news monitoring for clients, resulting in a 50% increase in evaluation speed.
- Orchestrated the development of a WordPress website, amplifying organizational visibility and driving a 30% surge in online engagement.
- Mentored and trained a team of 4 individuals on web development principles, including PHP, GIT, and Linux, equipping them with essential skills to drive project success.

Software Engineer
PITSolutions (P) Ltd, Thiruvananthapuram
Apr 2015 - Sep 2019

- Crafted websites utilizing HTML, CSS, and Open source CMSs in alignment with design team specifications, culminating in a marked enhancement of the client's web presence, resulting in increased online visibility and engagement.
- Engineered custom features for clients using Python, ensuring seamless integration of desired functionalities, and achieving high levels of client satisfaction through tailored solutions.

HOBBIES

Reading books
Research for social good
Learning and exploring new areas

OTHER INFO

DOB	21/06/1992
Passport	Valid up to 2033
Driving License	Valid up to 2038

Colending Module

Software Engineer *Aug 2022 - Feb 2023*

- Implemented digitalization of the co-lending model for one of the country's largest non-financial banking corporations, streamlining vendor onboarding, interest calculations based on business rules, report generation, and notifications.
- Enhanced operational efficiency by automating key processes, facilitating seamless collaboration between stakeholders, and ensuring compliance with regulatory standards.

Technology Used: Django, RabbitMQ, NodeJS, AWS, JIRA, React

EDUCATION

Master of Technology in Technology Development

Indian Institute of Technology Bombay

Jul 2019 - Jun 2022

Major subjects: Machine learning, GIS, Data analysis, Qualitative and Quantitative research

Bachelor of Technology in Computer Science and Engineering

University of Kerala *Jul 2010 - Jun 2014*

Major subjects: Datastructure and alogrithm, Database system concepts, Software engineering principles, Object oriented programming

COURSES

Ultimate AWS Certified Cloud Practitioner

Udemy *Apr 2024 - Present*

Data analysis for Social Scientists

MIT X *May 2024 - Present*

Application of Machine learning in Urban Studies

Indian Institute of Remote Sensing

May 2023 - Jun 2023

LANGUAGES

English

Hindi

Malayalam