Jishnu V

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Summary

A pragmatic software engineer with a keen eye for performance optimization and writing pixel-perfect code with 10+ years of thorough hands-on experience in various layers of web applications, VR, and AI. Proficient in designing, implementing, and maintaining innovative, robust, and scalable distributed solutions. Proven track record in people leadership, delivery ownership, system design, and production AI reliability. Experienced in operating under ambiguity and partnering closely with founders and business leaders.

Skills

Programming languages	Java, PHP, JavaScript, Python, C#
Frameworks/ CMS	Django, Node.js, Express.js, Next.js, Frappe, Laravel, FastAPI
Databases/ Streaming Systems	MySQL, PostgreSQL, MongoDB, ChromaDB, Elasticsearch, Redis, Kafka
Web Technologies/ Libraries	HTML5, CSS3, Socket.io, React, Vue, React Native, LangChain
Tools	Git, Docker, AWS, GCP, Postman, Unity, Gatling, Jira, Cursor, Claude Code

Work Experience

Head of Engineering / Founding Member   November 2023 - Present
[BuildNext](#)

- Led a 15+ member cross-functional engineering team while maintaining hands-on architectural ownership, driving the design and evolution of scalable, production-grade systems.
- Architected and built [descon.ai](#), a multi-tenant AI-integrated SaaS platform with modular monolith architecture, defining service boundaries, API contracts, and deployment topology across web, mobile, and desktop, engineered to **scale to ~5M API requests/day**.
- Contributed hands-on production code across backend (Python), frontend (Next.js), mobile (React Native), desktop (Electron), maintaining ownership of core platform components.
- Led multi-cloud migration (GCP → AWS), re-architecting infrastructure for high availability and fault tolerance while **cutting cloud workload costs by ~50%**.
- Implemented CI/CD pipelines with containerized deployments and automated quality gates (SonarQube), structured observability (logging, metrics, alerting) and strengthened TDD adoption **reducing production defects by ~60%**.
- Owned hiring and performance management for the engineering team, instituting structured performance reviews and targeted growth plans that improved retention and reduced attrition, while driving AI adoption across the SDLC to **enhance developer productivity by ~50%**.

Technical Lead   October 2021 - November 2023
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- Mentored and guided a team of engineers, providing technical direction, code reviews, and design feedback while delivering complex features end-to-end.
- Improved search accuracy and logging by integrating the Elastic (ELK) stack, and optimized the website performance using Redis and Varnish.
- Designed and executed performance and load testing strategies using Gatling and Locust, identifying bottlenecks and **improving production stability by 30%**.
- Crafted and delivered REST APIs for web and mobile applications, **achieving P99 latency of 200ms**.
- Designed and enforced fully automated CI/CD pipelines, enabling reliable builds, automated testing, and seamless deployments to production.

Software Development Engineer/ Sr. SDE   June 2016 - October 2021
BuildNext

- Designed and implemented a headless e-commerce platform using Magento and Vue.js, architected to **support ~1M daily active users** with high availability and low-latency APIs.
- Architected and rolled out a real-time messaging and notification platform using Node.js, Kafka, and WebSockets, with RBAC and OAuth 2.0 based authentication for secure, role-aware communication.
- Owned the development and integration of multiple internal platforms, including payroll automation, ticketing, careers, and content systems, along with payment gateway integrations to streamline operational and business workflows.
- Delivered and maintained production-grade VR applications using Unity and C#, while extending and customizing ERPNext (Frappe/Python) to support domain-specific business workflows.

Web Developer (Intern)   July 2015 - October 2015
INNOINTEL LLC

- A predictive analytics system using Node.js with Mustache templating engine and Express.js framework.
- Visualized data using a graph database (Neo4J) and D3.js.

Web Designer (Intern)   January 2015 - February 2015
XENONOUS

- Front-end development using Bootstrap.

Patents

An end-to-end seamless pipeline system for Virtual warehouse and scalable hyperlocal pricing

A platform to find the nearest warehouse and best pricing using the Haversine formula, leveraging Google Maps APIs.

An end-to-end central planning system and Method for the orchestration of Construction projects

A sophisticated set of tools to automate various tasks in construction projects, including timeline auto-generation using CPM and a variation of Dijkstra's algorithm.

A system and method for visualizing and generating residential floor plans using AI

A floor plan generator that takes input parameters like massing and outputs floor plans and elevation renders using fine-tuned LLMs

Education

Bachelor of Technology, Computer Science   2012 - 2016
COLLEGE OF ENGINEERING, TRIVANDRUM

Core Competencies

- Distributed systems architecture and scalable SaaS platform design, including performance engineering and continuous optimization
- Applied Generative AI systems, including multimodal LLMs, RAG, and agentic workflows
- Relational and non-relational data modeling, indexing strategies, and performance tuning
- Technical leadership across cross-functional teams through design reviews, architectural governance, and engineering standards
- Agile and Kanban methodologies, and proficiency in modular monolith and microservice architecture
- People Management (Hiring, Performance, Mentorship, Growth) and Cost, Reliability & Technical Risk Ownership