

Vinit Kumar

mail@vinitkumar.me — +91 8554862210 — GitHub — LinkedIn

Skills

Programming: Go, Python, JavaScript, TypeScript, Ruby on Rails, PHP, C

DevOps: AWS, Google Cloud Platform, DigitalOcean, CI/CD (GitHub Actions, Bitbucket Pipelines)

Web Development: Django, FastAPI, Laravel, Express.js, Ruby On Rails, PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, React

Testing: Unit Testing, TDD (Pytest, Vitest, PHPUnit)

Experience

Principal Engineer, Scalefusion

Pune, India

Nov 2024 – Present

- Lead architecture and development of large-scale distributed systems using Go, solving complex engineering challenges with precision.
- Design and optimize high-performance back-end systems, ensuring seamless scalability and reliability.
- Collaborate cross-functionally to improve system efficiency, implementing solutions that improve performance.
- Develop and maintain core services in Go, TypeScript, and Ruby on Rails, ensuring high availability and fault tolerance.
- Optimize cloud infrastructure and CI/CD pipelines, improving deployment efficiency and reducing downtime.

Staff Software Engineer, KidsKonnnect (prev SocialSchools B.V.)

Pune, India

Feb 2013 – Nov 2024

- Designed and implemented a highly scalable distributed multitenant CMS in Python, managing more than 2,500 domains and improving page load speeds by 35%.
- Led development of an Enrollment Form & CRM system, reducing onboarding time by 40% and increasing customer sign-ups by 25%.
- Built an internal monitoring tool, reducing downtime incidents by 30% through real-time uptime tracking.
- Developed a Go-based analytics tracker, reducing the data processing time by 50% and improving the efficiency of the system.
- Created a Celery & RabbitMQ-based distributed task queue, reducing job execution time by 45% and handling 3x more concurrent tasks.
- Optimized cloud infrastructure, reducing AWS costs by 20% through auto-scaling and right-sizing instances.
- Spearheaded performance improvements, cutting API response times from 400ms to 120ms, improving user experience.
- Led containerization efforts (Docker, Kubernetes), enabling seamless local development across different OS environments.
- Mentored junior developers on Django and React, fostering a culture of best practices and continuous learning.

Software Developer, Open Source

Remote

2010 – Present

- Django CMS Fellow at Django CMS, contributing to the core and plugin ecosystem (Paid Fellowship).
- Principal author of `json2xml`, used by Engineers from Google, Amazon, and NASA.

- Developed a chat-bot in C with a lightweight NLP engine.
- Created `node-twitter`, a Twitter clone using Node.js and MongoDB.
- Designed "white paper," a top-10 Jekyll theme with thousands of downloads.

Education

Birla Institute of Technology, Mesra

July 2008 – April 2012

Bachelor of Engineering (Specialization: Python programming, Linux, C)

- **Graduation Project:** Applied genetic algorithms to predict sedimentation rates in reservoirs in India.

Recommendations

Available on: LinkedIn — GitHub