

Vinayak Kumar

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Experience

LinkedIn

Bangalore, India

SITE RELIABILITY ENGINEER

Feb. 2020 - May. 2022

- Developed an automated system for detecting and remediating services running on unhealthy hosts, improving system reliability.
- Implemented an automated platform for generating monitoring dashboards for new services and endpoints, enhancing service visibility, operational efficiency, and developer productivity.
- Developed a Flask and Bootstrap-powered web platform to automate the review and approval process of production server access requests, saving developer time and improving collaboration efficiency.
- Led the onboarding of new services, including conducting design reviews, managing production ramps, and setting up documentation and monitoring, reducing onboarding time by 50%.

Amazon

Bangalore, India

SOFTWARE ENGINEER INTERN

Feb. 2019 - July. 2019

- Worked on the Cart and Checkout stream for the Amazon Fresh program launch in India, utilizing Java, Spring and Perl.
- Developed a Java service to mitigate reselling order abuse, now implemented across the majority of listed products on Amazon Fresh India.
- Engineered the backend infrastructure to establish a MOV threshold, facilitating free delivery for Amazon Fresh.
- Resolved critical UI bugs affecting delivery time slots on the Amazon Fresh checkout page, enhancing user experience.

Coding Ninjas

New Delhi, India

INTERN

Jun. 2017 - Aug. 2017

- Interned at Coding Ninjas, honing programming and problem-solving skills.
- Created a comprehensive coding questionnaire, demonstrating deep understanding of Data Structures and Algorithms.
- Served as a Teaching Assistant for a Data Structures and Algorithms module, solidifying knowledge and communication skills.

Projects

FitTrack

- Built a gym web app using the MERN stack, demonstrating proficiency in full-stack development.
- Used JWT for secure daily member check-ins.
- Leveraged REST for efficient registration and renewal reminders via Twilio and Nodemailer.
- Employed Cron jobs for timely delivery of personalized diet and exercise plans via email.

CryptoTrackerPro

- Built a crypto portfolio tracker displaying comprehensive information, charts, and news about top cryptocurrencies.
- Integrated APIs to fetch data on top cryptocurrencies, exchange information, and popular/recent crypto news, leveraging Axios for API requests and Chart.js for data visualization.
- Utilized the MERN (MongoDB, Express.js, React.js, Node.js) stack to build a responsive frontend and backend, with MongoDB for data storage, Express.js for server-side handling, React.js for dynamic UI, and Node.js for efficient event-driven communication.

Litnomics

- Developed a video based e-learning platform utilizing the MERN stack.
- Created an intuitive admin panel to manage courses and registered students, to streamline content administration and user data management.
- Built a real-time chat support feature using websocket for instant communication between instructors and students.

Others

- For a comprehensive showcase of my projects, please visit my portfolio website vinayak.dev

Skills

Languages	Python, Java, JavaScript, C++
Frameworks	Django, Flask, NodeJS, Express, React, MongoDB
Tools	AWS, Kafka, Docker, Kubernetes, Git, CI/CD Jenkins
Proficient	Algorithm Design and Data Structures, Problem Solving, RDBMS, NoSQL, Linux, REST APIs, MySQL, Operating Systems

Education

Manav Rachna University

Faridabad, India

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING; GPA: 9.64

Aug. 2015 - July. 2019

- Vice-Chancellor's gold medal recipient for Academic Excellence