ACHAL PATHAK

Noida, India

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Technical Skills

Programming: Python, Django, Golang
Frontend: HTML, CSS, ReactJS
Backend: MySQL, Redis, RabbitMQ, Celery, MongoDB
Other: AWS, EC2, S3, Nginx, Jenkins, Docker

Work Experience

Zopper (Solvy Tech Pvt. Ltd.)   Dec 2022 – Present
Senior Software Engineer   *Noida, India*

- **Developed a high-performance API Gateway using Node.js, capable of handling 8k request per second**. The gateway has features such as Real-time service discovery, JWT Authentication, Caching, and Load Balancing, ensuring optimal performance and scalability.
- **Achieved significant performance enhancement in a django based finance system, slashing processing time for large CSV files from 8 minutes to under 40 seconds.** This optimization streamlined audit ledger operations for payins and payouts, empowering faster data processing and analysis for enhanced operational efficiency.
- **Maintained and upgraded legacy projects including Payments and CRM systems, resolving bugs and upgrading packages to ensure stability and security.** Introduced Docker for streamlined development and deployment processes, enhancing team productivity and project scalability.
- Introduced Test-Driven Development (TDD), **reducing post-release bugs by 85% and improving test coverage by 80%** , resulting in higher code quality, reduced bugs, and improved software reliability.

IndustryBuying (Emtex Engineering Pvt. Ltd.)   June 2020 – Dec 2022
Software Engineer   *Delhi, India*

- Efficiently implemented the logistic Order flow fulfillment process, ensuring smooth order processing, tracking, and delivery, resulting in improved customer satisfaction and retention.
- Integrated various 3rd party applications, including ZOHO CRM for efficient customer relationship management, Sentry for real-time error logging to enhance application stability, and ClickPost for streamlined shipping and logistics management.
- Made significant contributions to the core modules of the MEDUSA application, particularly focusing on crucial functionalities such as Vendor Onboarding, RFQs (Request for Quotation), and more, enhancing the overall user experience and business efficiency.

Technohertz Technologies   Oct 2019 – May 2020
Python Developer   *Pune, India*

- Worked as a Django developer for various projects for their clients which requires the creation of API services that should be speed optimized and scale-able and will be integrated with various web services and mobile applications.
- Worked on various technologies like Django and Vue Js. I also worked with Bootstrap for styling the components on the website.

Education

Bharati Vidyapeeth College of Engineering   2015 - 2019
B.Tech in Computer Science and Engineering   *Pune, India*
City Montessori School   2012 - 2014
10th and 12th   *Lucknow, India*

Projects

API Rate Limiter | *Django, Redis* | https://github.com/achalpathak/django-api-ratelimiter
  * Built and tested an API rate limiter using Redis as a caching layer to speed up the checking and updating of API hits made by a user.

Rapid SSH Terminal App | *GoLang* | https://github.com/achalpathak/rapid_ssh
  * Cross platform TUI based ssh tool.
  * Easily manage SSH server configurations through a simple JSON file.
  * Installation brew install rapid_ssh

HLS Streaming Video Transcoder | *Electron, NodeJS, FFMPEG* | https://github.com/achalpathak/hls-studio
  * Created Video encoder to m4u8 format for video streaming.
  * Auto quality switching based on internet speed.
  * Used multiprocessing for faster video encoding.