

Rakesh Verma

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EDUCATION

DCR University of Science and Technology

CGPA 8.2, Class rank 6/140,

HR, India

August 2012 – Jun 2016

EXPERIENCE

PayPay Inc. — Senior Software Engineer

August 2023 – Present

Tech Stack: Java, SpringBoot, Mysql, Prometheus, Grafana, ELK, K8s

Tokyo, Japan

- **Optimized deployment process** reducing deployment times by **15 seconds**, enhancing operational efficiency.
- **Increased Test Coverage above 80%** across 5 micro-services building confidence in the team to implement heavy features without fear of failing.
- **Led and delivered a 12-week project** from PRD to deployment with a team of 3 developers involving 10+ teams, multiple product stakeholders and idea revisions.
- Developed a Grafana dashboard to identify and troubleshoot unstable APIs, **cutting debug times by up to 50%**
- Mentored team through weekly 1-on-1 sessions and goal-setting initiatives. Assisted in hiring future engineers for Paypay.
- Active Speaker in Tech Talks at PayPay. Topics included Handling Exceptions well, Managing Downstream API Errors,

Pixis AI — Team Lead

January 2021 – May 2023

Tech Stack: Python, Django, Mysql, Docker, Redis, Kubernetes, AWS

Bangalore, India

- **Led a team of 5** developers to ensure timely project delivery and efficient resolution of blockers, maintaining high productivity.
- **Containerized the application** using **Kubernetes** and **Docker** resulting in faster and maintained deployments and rollbacks.
- Conducted thorough code reviews and made key architectural decisions, ensuring high-quality code and robust system design.
- Implemented solutions to reduce tech-debt and modernize legacy systems, enhancing overall system performance and maintainability.

PharmEasy — Team Lead

October 2017 – Jan 2021

Tech Stack: PHP, Java, Mysql, NoSql, AWS, ElasticSearch, Kafka, AWS

Mumbai, India

- Analyzed business requirements, suggested usable tech architecture including task breakdown to deliver software solutions on schedule using **REST APIS**.
- Designed scalable and maintainable system architectures around **E-commerce**.
- **Converted Monolithic legacy system to micro-services** allowing easy testing and scaling.
- **Delivered heavy projects as individual contributor** like Loyalty Programme, Rating & Reviews, OrderID Obfuscation, Customer Drop Point Alerts etc

OYO — Software Engineer

August 2016 – October 2017

*Tech Stack: **Ruby on Rails**, Java, Redis, RDBMS, New Relic, Amazon MQ*

Gurgaon, India

- Developing APIs, websites and microservices on Ruby on Rails.
- Primary responsibilities were to understand the task, why we are doing it and to deliver the expected system to be consumed by either front end or other teams.
- Delivered projects that assisted in hotel onboarding, collecting payments from customers and automated reconciliation of payments for hotel owners.

Open Source Journey

Memestr App

July. 2023 – Present

Founder, CEO

Tokyo, Japan

- Engineered a decentralized, censorship-resistant App for memes and trending content using React JS, Web3, deployed on AWS.
- Launched the platform at <https://memestr.app>, attracting significant user engagement and positive feedback.
- Build it using Front end only and serverless to learn new technologies that I had never worked on.

Open Creator AI

March, 2022 – August 2022

Founder, Author

Tokyo, Japan

- Created a free and open sourced platform for users to upload images and text for AI to convert the text to audio and attach it with images returning a video that could be uploaded on social media.
- Used Amazon Polly and other AWS features to implement authentication, conversion of Text to speech and performing logic on integration between images and speech.

Drupal

March 2016 – June 2018

Contributor

Remote

- Contributed to popular PHP-based framework Drupal's plugins. Implemented solutions to catch conflicts, show conflicting files to users and give them a dashboard to solve conflicts using a 3-way Merge Algorithm
- Build a plugin for subscription websites to show certain articles or posts before users subscribe or log in.
- Created libraries to find LCA in large graphs of events effectively.

AWARDS & ACHIEVEMENTS

More than 750,000 downloads on LCA Library

Present

- Created a library to efficiently find common parent(Lowest Common Ancestor) in two or more nodes in a DAG. Launched it as relaxedws package which has more than 750,000 downloads to date.

Donna Merch – B2C Ecommerce

June 2021 – February 2022

Founder

- Started and scaled an Ecommerce company where creators could easily launch their merchandise for their fans. I had to close it because it became bigger than me and my team could handle.

Google Summer of Code Intern

March 2016 – July 2016

- Prestigious Open Source Program by Google where selective students work on open source projects backed by Google.

Mentor at Google Code In & Rails Girls Summer of Code

October 2017 – February 2018

- Post GSOC, I was selected as a mentor for Google's Code In Programme and later for RGSOC(Rails Girls Summer of Code).

Speaker at DrupalCon, Austria

October 2016

- I was invited as a speaker to DrupalCon Vienna where I gave a talk on what my contributions to drupal has been and how the plugins could help them.

SKILLS & INTERESTS

Languages: Python, Java, Ruby On Rails, PHP, React, Javascript

CI/CD: Docker, Kubernetes, Jenkins, Github Workflow

Cloud : AWS – EC2, S3, EBS, ECR, API Gateways, Polly, Cognito, Policies, Roles, UserGroups, Lambda, SQS

Monitoring: CloudWatch, ELK, New Relic, Grafana, Loggly

Others: Redis, Rest APIs, Web Socket APIs, Git, RDBMS, Key value DB