Vaibhav **Solanki**

SENIOR SOFTWARE ENGINEER · BACKEND

Bengaluru, Karnataka, India

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Summary

Senior Software Engineer with over **5 years** in building scalable services and optimizing performance at HackerRank and BrowserStack. Skilled in troubleshooting and cross-functional collaboration, with a focus on delivering efficient solutions. Committed to continuous learning and staying updated with industry trends. Looking to contribute my experience and skills to a dynamic and growth-focused team.

Education

Army Insitute of Technology(Pune University)   *Pune, India*

B.E. IN COMPUTER SCIENCE AND ENGINEERING   *Apr. 2016 - Aug. 2020*

CGPA: 8.92

Skills

Languages	Go, Javascript, Python, Ruby, SQL (Postgres, MySQL), C/C++
Libraries	NodeJS, Django, ExpressJS, Rails, NextJS
Databases	MySQL, MongoDB, Redis, PostgreSQL, DynamoDB
DevOps	Git, Docker, Kubernetes, AWS, GCP, Helm, Terraform, Github Actions, Jenkins, ArgoCD, Temporal

Work Experience

Postman   *Hyderabad*

SENIOR ENGINEER   *Feb, 2025 - Current*

- Implemented OAuth-based SSO integration with GitHub to streamline authentication.
- Contributing in enhancing the Postman's Identity Platform for scalability and security.

HackerRank   *Remote*

SENIOR SOFTWARE ENGINEER   *Apr, 2023 - Feb, 2025*

- Developed a Google Zanzibar-inspired authorization service, improving page load times by **30%** and handling over **1 Million RPM**.
- Implemented **SAML and SSO login flow** in the Authentication service, leveraging Jackson and Supertokens for all the HackerRank products
- Analyzed and optimized slow queries impacting the master DB, achieving a **50%** reduction in load.
- Developed fault-tolerant orchestral service processing **50k+ events/sec** using **Temporal**, **Kinesis** and **DynamoDB**

HackerRank   *Remote*

SOFTWARE DEVELOPMENT ENGINEER 2   *Dec 2021 - Apr 2023*

- Implemented pipelines using Packer to automate machine image creation for AWS and GCP, resulting in a deployment time reduction from **1 day to just 5 minutes.**
- Automated Pre Demand Scaling, which was aimed at meeting the machine requirements for upcoming events, enabled support for over **20,000 cloud machines daily**.
- Enhanced observability for dynamic cloud machines (workspaces) by scraping metrics from running workspaces and warmups, forwarding data to a central Grafana Dashboard. Enabled effective tracking of resource utilization, bottleneck identification, and workspace optimization.

BrowserStack   *Remote*

SOFTWARE DEVELOPER   *Jul 2020 - Dec 2021*

- Upgraded Ruby Version from 2.2.x to 2.6.x and Rails version from 4.x to 6.x for the entire product, resulting in an **8%** improvement in **memory management** and a **10%** enhancement in **CPU performance**.
- Optimized Automated Order Cancellation Architecture and introduced functionality for booking and canceling Future Dated Orders, resulting in a **20%** reduction in **operational workload**.
- Improved the behavior of Quote Creation and Invoice Generation after integrating DocuSign and automating the process of handling sales orders which helped in closing the Sales Opportunity faster
- Implemented Contract Lifecycle Management on Salesforce instead of storing it in GoogleDrives

Honors & Awards

July 2023	**Kudos,** Automation of Machine Image Management	*HackerRank*
March 2021	**Kudos,** Smooth Rails upgrade deliveries before time	*BrowserStack*
March 2022	**Awardee,** HackerRank Hackathon Event	*HackerRank*
2018-2020	**Scholarship Holder ,** Army Institute of Technology	

Projects

OTT Platform

NodeJS, ReactJS, MySQL, Nginx, AWS(S3,EC2), Redis, LetsEncrypt, RazorPay *Jan. 2021*

- Implemented Feature to detect Ad Blockers.
- Continue Watching feature which tracks the status of the player via WebSockets
- Real Time Chat, which updates according to the player's time
- Implemented watchlist to add and remove your favorite shows
- Can add reviews with the rich TinyEditor with hCaptcha to reduce fake reivews.
- Notifications and Fuzzy Searching via Fuse.js
- Google Ads on basic version of the website.
- `https://github.com/VAIBHAV7500/anime_web_app/`

Let's Binge

React JS, Firebase *Apr. 2021*

- Let's Binge is a video platform that allows multiple users to watch videos in Sync.
- We support a variety of URLs, including file paths, YouTube, Facebook, Twitch, SoundCloud, Streamable, Vimeo, Wistia, Mixcloud, DailyMotion and Kaltura
- `https://github.com/VAIBHAV7500/lets_watch`

Smart Dustbin

Rasperry PI, Ultrasonic sensor, PHP *Nov. 2018*

- It tracks multiple dustbins in an area and tells an optimized route covering all the full dustbins.
- `https://github.com/VAIBHAV7500/WASTE_MANAGEMENT_KOTA`