Karan Jagtiani

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EXPERIENCE

HACKERRANK - SOFTWARE ENGINEER II | Backend, DevOps   April 2023 – Present

- Led the design and execution of a complex scheduling algorithm for a core product, enhancing system flexibility and improving the usability of the service.
- Streamlined logging infrastructure using ELK Stack on three platforms, enhancing system monitoring by 60% and facilitating troubleshooting.
- Collaborated with a team of 5 members including a product manager and designer to create a feature with a GitHub App with Oauth 2.0 flow for a Node.js project in a secure manner.

HACKERRANK - SOFTWARE ENGINEER | Backend, DevOps   January 2022 – March 2023

- Engineered a microservice-based API-as-a-Service product that enabled workflow scheduling using Ruby on Rails, Go, Temporal, and PostgreSQL. Orchestrated the deployment on AWS EKS by creating the setup using Kubernetes, Docker, and Helm.
- Designed and managed the entire AWS infrastructure for 3 live products using Terraform: POFU 🗗, HackerDraw 🗗 & HackerResume 🗗 under an initiative called 'HackerRank Labs'.
- Collaborated cross-functionally with 3 different teams to leverage AWS services such as EKS, VPC, RDS, S3, ECR, Elastic Cache, Load Balancers, and Target Groups for creating a scalable infrastructure that supported 5 live products under the HackerRank Labs initiative.
- Designed and implemented a secure Analytics infrastructure on AWS using open-source tools like Matomo and Metabase.
- Built a scalable and secure back-end application and core architecture for the initial version of the POFU 🗗 product using Ruby on Rails and PostgreSQL, enabling rapid deployment to production within 3 weeks.
- Developed various core features of POFU, including the Scheduling Algorithm, Internationalization of the entire Workflow process, Workflows using CronJob, and various Bulk Upload features, resulting in a streamlined and efficient user experience.

HACKERRANK - SOFTWARE ENGINEER INTERN | Full Stack   July 2021 – December 2021

- Implemented diverse functionalities for the Hexagon product, employing Golang, Ruby on Rails, MySQL, Elastic Search, and React. Worked with REST APIs, Web Sockets, and GraphQL.
- Streamlined the retrieval of crucial data from repositories, PRs, Commits, Comments, etc. by incorporating Bitbucket SCM APIs using Golang. Managed to deploy the functionality to production within a one-month timeframe.
- Boosted the performance of critical APIs by 25% through the implementation of an efficient caching mechanism using Redis and Rails Workers. This led to a significant improvement in user experience and overall efficiency.

EXTRACURRICULAR / ACHIEVEMENTS

CKAD CERTIFICATION 🗗   December 2022 - December 2025

- Earned Certified Kubernetes Application Developer credential from the Linux Foundation, demonstrating proficiency in Kubernetes application development through a rigorous 2-hour proctored exam.

REVOLUTION SOFTWARE CLUB 🗗   June 2020 - July 2021

- Founded a student-run software development club during my second year of university, aimed at providing a platform for members to explore and engage with emerging technologies outside of the traditional academic curriculum.
- Successfully led a core team of over 50 members and six departments, as well as more than 20 campus ambassadors across India, to bring the club's mission to thousands of students over the course of a year.

SKILLS

Backend: Ruby on Rails, Golang, Node.js   **DevOps:** Docker, Podman, Kubernetes, Terraform, AWS
Frontend: React, NextJS, HTML/SCSS   **Databases:** PostgreSQL, MySQL, MongoDB, Elastic Search
Languages: TypeScript, Ruby, Python, C++   **Others:** Linux, Git, Nginx

EDUCATION

VISHWAKARMA UNIVERSITY, PUNE | Bachelor of Technology in Computer Engineering   July 2018 – June 2022

Gold Medalist | **CGPA:** 9.26 / 10.0   **US GPA:** 3.74 / 4.0