

Damanpreet Singh Ghatoura

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EXPERIENCE

- Airev (UAE) | DevOps Consultant** April 2025 - Present
- Developed and maintained **Helm charts** for product deployments, streamlining Kubernetes application management and version control.
 - Collaborated with **Intel, Supermicro, and Tenstorrent** for on-premises deployments, ensuring seamless integration and performance.
 - Managed and maintained production **Kubernetes clusters**, ensuring **high availability** and **scalability**.
 - Achieved **SOC 2 compliance** through **Vanta**, implementing security controls, automated evidence collection, and **continuous monitoring**.
- Airev (UAE) | DevOps Intern** June 2024 - March 2025
- Reduced annual cloud expenses by over **\$500,000** while enhancing the overall security score by **60%**
 - Identified and **remediated** critical **vulnerabilities** across various components, including **container images**, virtual machines (VMs), and Kubernetes clusters.
 - Automated tasks via a **CI/CD** pipeline, reducing update time by **40%**, enhancing security, and setting up automated **Deployments**.
- Hirebound.io(Antler+Nasscom funded) | SDE intern** Jan 2024 - June 2024
- Developed **internal tools using IMAP**, and **Integrated** it into infrastructure.
 - Implemented comprehensive **observability** and **monitoring** solutions using SigNoz to enhance system performance and **reliability**.
- Granular AI (USA) | Software Developer Intern** Sept 2023 - Dec 2024
- Analyzed, designed, and **determined** coding and programming requirements based on overall product architecture and objectives. Achieved a significant **40% improvement** in website performance.
 - Implemented **authentication** functionality in **Next.js** to enhance user security and access control.

PROJECTS

- Foodify.ai | Next.js , OnDemand ,Express.js ,Mongodb ,Kubernetes ,Docker ,ML plugins)**
- Allowing users to click **image** of the product and it gives result based on user health history and guidelines by **fssai**
 - Implemented **CI/CD pipeline** for project deployment on Vultr using GitHub Actions and **Docker**. [Github](#)
- Transcode Master — Video Transcoding Service | AWS, FFMPEG, React, Express.js, Tailwind CSS**
- Implemented a server-side **video transcoding service** that can transcode videos to upto 2160p
 - Utilized **FFMPEG** to convert the video to multiple resolutions, and AWS S3 for storing the videos. [Github](#)

SKILLS

Cloud: Kubernetes, Microsoft Azure , Docker, CI/CD , GitOps , Terraform , Jenkins , AgroCD , Amazon AWS
Back-end: Golang , Express.js , MongoDB , Sanity , GraphQL , tRPC , Next.js
CS Fundamental: Data Structures , Algorithm , Operating System , Object Oriented Programming , Networks

ACHIEVEMENTS

- Secured **Rank 1** in the highly competitive Pixel perfect hackathon competing against **200+** participants.
- Runner-up** in on-demand(Airev) Hackathon with over **150+** participants.
- Achieved **Achieved All India Rank 23** in Leetcode's Weekly Contest 368.

EDUCATION

Dr. B.R. Ambedkar National Institute of Technology, Jalandhar Dec 2021 - June 2025
Bachelor of Technology