Yashpal Parmar (Software Engineer)

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Education

Indian Institute of Information Technology, Gwalior (NIRF 78) — Madhya Pradesh, India
Bachelors of Technology in Computer Science — *Aug'19 – Jul'23*

Experience

Associate Cloud Computing Engineer — Remote
Biz InfoTecno | Internship — *Jun'22 – Aug'22*
- Designed and deployed **Webflow** CMS-based websites on **Amazon Web Services (AWS)** infrastructure including **Amazon EC2**, **Amazon S3**, **Route 53**, **Amazon CloudFront**, and **Cloud Certificate Manager**.
- Managed AWS architecture and it's services including **VPC configuration**, **IAM** access controls, **security groups**, **CloudWatch** monitoring, and **CLI** automation.
- Secured and optimized the site with **HTTPS** encryption, **AWS Global CDN Caching**, and **AWS Global Accelerator**.

Software Developer — Remote
LBEF Group of Institutions | Freelance — *Jun'21 – Sep'21*
- Upgraded LBEF Group of Institutions' database to **MySQL** in a scalable **Cloud environment**, leveraging cloud-based solutions and utilizing **Python** to seamlessly transfer data from **Excel**. Improving access, reliability, and security.
- Collaborated with a friend to develop a user-friendly front-end interface for the **cloud-hosted database** for ease of use.
- Successfully implemented complex **cloud-based Database migration** and front-end development within the project timeline in a **cloud-centric environment**, ensuring seamless integration with existing systems.

Technical Skills

Languages: C · C++ · Python · SQL · HTML · CSS
Databases: Amazon RDS · MySQL · Firestore · Google Cloud Storage
Tools/Platforms: Linux · AWS · Google Cloud Platform · VSCode · Autodesk Maya · GitHub · Unreal Engine
Domain Knowledge: Cloud Development (AWS and GCP) · Data Structures & Algorithms · Graphic Designing
Additional Skills: Virtual Private CLoud · Kubernetes · BigQuery · Docker

Projects

AWS EC2 Backup and Restore Automation | *AWS · EC2 · Lambda · CloudWatch · S3 · Python Scripts · CLI*
- Engineered **AWS EC2** backup automation every 7 days with **Lambda** and **Python**; scheduled via **CloudWatch**.
- Stored backups securely in **S3 Bucket**, managed access with **IAM**. Utilized **AWS CLI** for resource management.
- Optimized quick recovery with **custom scripts**, ensuring backup takes place when system is not in **Reboot state**.

AWS LEX Chatbot with ChatGPT | *AWS · LEX · Lambda · ChatGPT · API Gateway · Serverless Architecture*
- Integrated **Amazon Lex** with **ChatGPT** for an e-commerce **Chatbot**, enhancing customer interaction.
- Utilized **AWS Lambda** for backend processing, with **Python** for **scripting** and **OpenAI API** for AI responses.
- Delivered **Personalized Support** through **Advanced AI**, improving service quality and user experience with human like responses with **ChatGPT API** and minimising the need for service employees.

Cloud VPN | *AWS · Open VPN · EC2 · GCE · Cloud Networking Tools · Outline*
- Engineered a secure cloud-based VPN infrastructure by leveraging **Google Cloud's VM** instances, **Networking Tools**, and **Outline**, ensuring **Encrypted Connections** between the **Cloud Environment** and on-premises networks.
- Bolstered a similar **Multi-Region VPN** setup using **AWS** and **OpenVPN**, enabling secure connections between cloud and on-premises networks while optimizing VM performance and **resource utilization**.

AWS Quicksight Visualization | *Amazon S3 · Amazon QuickSight · Data Visualization · Data Analysis*
- Developed visualizations for a dataset of **50,000 Amazon best-selling products** using **Amazon QuickSight**.
- Leveraged **Amazon S3** for storage, employed a **manifest.json** file for management and **QuickSight integration**.
- Utilized **Amazon QuickSight's interactive sheets** for creating dynamic visualizations, including bar charts, pie charts, and line graphs, to derive actionable insights.

Certificates

*Internship Certificate	**Biz Infotecno Intern***	*Jun'22 - Aug'22*
*Geeks For Geeks certificate	**Cloud Bootcamp***	*Aug'23 - Oct'23*
*Skill Nation Certificate	**ChatGPT and AI Tools***	*Aug'23 - Sep'23*
*Google Cloud Certifications Profile	**Cloud Skill Boost Profile[Silver League](6 Certs)***	*Dec'21 - Jan'24*