HIMANSHU MAHAJAN

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SUMMARY

- **Technical Expertise:** Versatile Cloud, DevOps Engineer, and Full Stack Developer adept in a wide range of frontend and backend technologies, cloud platforms, database management systems, and automation. Worked as a DevOps Engineer with the SRE Team at LifeLabs to create infrastructural and automation solutions, reducing costs and securing the production environment.
- **Infrastructure Optimization:** Proven track record of optimizing infrastructural costs and enhancing performance through automation and innovative solutions. As a DevOps Engineer at LifeLabs, used Terraform as IaC to deploy infrastructure using code.
- **Server Administration Proficiency:** Demonstrated strong server administration skills by hosting and deploying all projects on a Home Lab Server, utilizing Docker containers on a single-board computer. Managed security and networking of the server as well.
- **Development Orchestration:** Skilled in orchestrating the development of web applications, mobile apps, and automation scripts to streamline processes and improve user experiences. Technologies used include Docker and Kubernetes.
- **Team Collaboration and Adaptability:** Collaborative team player with strong communication skills, capable of excelling under tight deadlines in cross-functional environments; proficient in Agile methodologies and version control systems.
- **Education Skills:** Achieved a Cumulative GPA of 3.85/4.0 with a deep understanding of various technologies. Experienced in group work and collaboration to create distinct projects, possessing strong teamwork and interpersonal skills.

TECHNICAL SKILLS

- **Frontend Languages:** HTML5, CSS3, Bootstrap, Tailwind, JavaScript, React, TypeScript, Next JS, Angular
- **Backend Languages:** Java, JavaFX, XML, Python, YAML, JavaScript, PHP, Spring Security, C, C#, .Net
- **Cloud Technologies:** Docker, Kubernetes, AWS, Azure, Terraform
- **Mobile Development:** React Native
- **Database Management:** MySQL, MongoDB, Firebase, Oracle, SQL, NoSQL
- **UI/UX Tools:** Figma, Adobe XD
- **Version Control:** Git, GitHub, Azure DevOps
- **Operating Systems:** Windows, Android, Unix/Linux, Mac, iOS
- **Networking Technologies:** VLAN, TCP/IP, DNS configuration, Spanning-tree, IP subnetting, Cisco Routers, Switches, Ethernet, WAN, LAN, ACL, NAT, Wireshark
- **Software:** NetBeans, Microsoft Office (Word, Excel, PowerPoint, Visio, Outlook, SharePoint), SQL Server, Microsoft visual studio, IntelliJ, Postman
- **Collaborative team player** with a demonstrated ability **to excel under tight deadlines.**
- **Soft Skills**: Teamwork, Time Management, Problem Solving, Adaptability, Excellent Communication, Creativity, Strong analytical.
- **Others:** Agile Methodologies, Scrum, JIRA, Notion, Confluence, Rest API, Soap API, Fast API, PowerShell

WORK EXPERIENCE

DevOps Engineer, LifeLabs, Ontario, Canada   **January 2024 - April 2024**

- Orchestrated the development of automation scripts, leading to a remarkable 30% reduction in infrastructural costs.
- Collaborated within a cross-functional team to devise solutions for stress testing our infrastructure,

resulting in the creation of a reusable Python script. This initiative not only optimized performance but also significantly decreased infrastructural costs by 30%.

- Leveraged Kubernetes to conduct in-depth analysis on pod scaling behaviors, subsequently adjusting manifest files to optimize CPU usage and memory allocation while implementing horizontal scaling strategies.
- Spearheaded the creation of a Web-Scraping project aimed at extracting critical data from LifeLabs' website, contributing to streamlined report generation processes.
- Led the development of two prominent projects, "Site Performance and Site Loads with Locust Python" and "SRE Adhocs with Selenium Python," delivering innovative solutions for infrastructure optimization and automation.

Frontend Developer, INFOWIZ, Chandigarh, India   **May 2022 - December 2022**
- Developed over 20 user-friendly web applications using HTML, CSS, and Bootstrap.
- Enhanced mobile user engagement by 25% through responsive web design.
- Translated 50+ design prototypes into webpages, improving UX by 40% with JavaScript and Bootstrap.

Customer Service Representative, Danzol, Ontario, Canada   **January 2023 – December 2023**
- Provided exceptional customer support to over 500 clients, maintaining a 98% satisfaction rate.
- Managed incoming calls and emails, averaging 80 interactions daily, resolving issues efficiently and courteously.
- Collaborated with the sales team to upsell products, resulting in a 15% increase in revenue.

PROJECTS

Site Performance and Site Loads, Locust Python   **March 2024 – April 2024**
- Developed a reusable Locust Python script to conduct comprehensive infrastructure testing, resulting in invaluable insights for infrastructure evaluation and cost reduction strategies.
- Utilized APIs to integrate functionality within the script, enhancing its versatility and effectiveness.
- Established Azure infrastructure through manual configurations and Terraform scripting, leveraging Azure Container Registry for Dockerized Image storage, Azure Container Instances (ACI) for flexible container deployment, Storage Account for report and '.tfstate' file storage, and Azure Key Vault for secure secret management.
- Generated simulated traffic of 50,000 users to stress-test the infrastructure, iteratively modifying manifests to optimize performance and scalability.

SRE Adhocs, Selenium Python   **February 2024 – March 2024**
- Engineered a reusable web-scraping script in Python utilizing Selenium, adhering to industry best practices. Successfully extracted and formatted webpage data for streamlined report generation.
- Implemented encryption and decryption methodologies to securely transmit credentials within forms, integrating CLI input for user credentials instead of storing sensitive information in files like '.env'. Employed Python-dotenv module for enhanced credential management.
- Collaborated with team members to optimize script efficiency and ensure seamless integration within existing workflows, fostering a collaborative and agile working environment.

Social Media Application, Mobile Development   **April 2024**
- Spearheaded the development of a cutting-edge social media React Native application, integrating advanced features and functionalities for seamless user interaction and engagement.
- Implemented secure authentication and file storage functionalities using Appwrite, ensuring robust data security and efficient management of user accounts and multimedia content.
- Orchestrated the integration of dynamic user interfaces and smooth navigation, leveraging React Native's capabilities to deliver an intuitive and immersive user experience.

Video Conferencing Application, Full Stack Development   **November 2023 - December 2023**

- Architected and implemented a video conferencing application using Next.js, React, and TypeScript, achieving seamless real-time communication and collaboration functionalities similar to those found on the popular video conferencing platform like Teams.
- Integrated Clerk authentication system to ensure secure user authentication and authorization, enhancing the privacy and security of user data.
- Utilized Stream API for audio and video streaming, facilitating high-quality and low-latency communication experiences for users.
- Designed and developed an intuitive user interface with responsive design principles, enabling smooth navigation and optimal viewing experiences across devices.

EDUCATION

Software Development and Network Engineering Advanced Diploma,   **January 2023 - Present**
Sheridan College, Brampton, Ontario, Canada

- **Cumulative GPA: 3.85/4.0**
- **Relevant Coursework:** Cloud Computing, Web Development, UI/UX design, Java, Enterprise Java Development, Systems dev methodologies, Database Management, Computer Architecture, .Net Technologies using C#, Mobile Web-Based Application Development, Data Structures & Algorithm Development using C, and IT Project Management
- Led coding club, mentored 20+ members, organized workshops, challenges, and collaborative projects like Spotify clone, demonstrating leadership, mentorship, problem-solving, and teamwork skills.