Manan Ahuja

Tampa, Florida ✉ manan.10ahuja@gmail.com 📱 6693026033 in/mananahujaa ☁ http://manan-portfolio.s3-website-us-east-1.amazonaws.com/

EDUCATION

Bachelor of Science in Computer Science

Minor in Entrepreneurship and Inovation engineering · University of South Florida · Tampa,FL · 2024 · 3.37

EXPERIENCE

Software Engineering Intern

Mphasis Limited   June 2023 -July 2023, Bangalore, India(Remote)

· As a Software Engineering Intern at Mphasis Limited, successfully deployed complex applications utilizing technologies such as Kubernetes, Docker, AWS EC2 instances, and CI/CD servers, ensuring seamless deployment and efficient container orchestration.

· Demonstrated expertise in managing network services with host IP allocation through Proxy on AWS EC2 and Route53, resulting in significant downtime reduction and improved production environment stability.

· Collaborated with teams to implement CI/CD pipelines, enabling continuous integration and deployment, while also contributing to the development and deployment of a Reddit clone, showcasing strong skills in container management and network optimization.

Systems Engineering Intern

Elite Quad Core Solutions LLC   June 2022 - August 2022, New York, NY(Remote)

· Configured 5+ Cisco firewalls with Palo Alto Networks, enforcing secure network access via SSL decryption.

· Aided top client with customized SSL decryption for Palo Alto two-ethernet port firewall via Linux/Cisco Meraki 801.

· Integrated data from multiple systems for streamlined processing, generating analytical, production, and quality reports.

PROJECTS

Terraform-IaC for Scalable AWS Infrastructure

Mphasis Limited

· Generated reports with KPIs for utilizing Terraform technologies and developed a project for Mphasis Limited client using Terraform and IaC workflow approach to creating IAM roles and 4 EC2 instances using meta-arguments, thus contributing to improved processes.

· Utilized HCL language and Terraform's modular structure with dedicated files for an organized and efficient codebase.

· Integrated Docker containers for application deployment, achieving seamless scalability and manageability.

Microservices in Python

Personal · https://github.com/mananahujaa/Microservices-in-python · August 2023 - Present

· Develop microservices in Python (Django) for a navigation web app, integrating Google APIs for reCaptcha, Places, Distance Matrix, Directions, Geocoding, and Maps JavaScript API.

· Build the backend, including models, forms, views, URLs, mixins, and templates, while crafting the front end using HTML, CSS, JavaScript, jQuery, and AJAX.

· Utilize AWS EC2 and Kubernetes for advanced deployment. Host on AWS EC2, use Kubernetes for orchestration, load balancing, and auto-scaling.

Online Enterprise Management System

Personal · March 2023 - April 2023

· Designed and developed a full-stack CRUD operation enterprise management system with MySQL, React, Node, Spring Boot, REST API, and JDBC integrations, from scratch including creating the ER diagram. Implemented a database with at least three relations, text/web-based interfaces, and supported eight types of queries.

Doctor's Appointment System

personal · March 2023 - April 2023

· Collaborated on a C++ pair programming assignment, showcasing data structures and object-oriented programming skills.

· Designed a stack (or queue) using templated linked lists, highlighting inheritance.

· Demonstrated strong teamwork and adherence to academic integrity guidelines.

CERTIFICATIONS & SKILLS

Awards & Certifications: AWS Cloud Practitioners (AWS CLF-C01), Oracle SQL (1Z0-071), USF Green & Gold Scholarship

Technical Skills: C++, Java, JavaScript, Node, Spring Boot, MySQL, PL/PG SQL, React, Vue, CSS, SQL, HTML, Python, C Swift, dockers, YAML, Linux(Ubuntu), MongoDB, Powerpoint, Excel