Manan Ahuja

Tampa, Florida, United States ✉ manan.10ahuja@gmail.com ▯ 669-302-6033 in linkedin.com/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, (Remote)

· Spearheaded the deployment of intricate applications via Kubernetes, Docker, AWS EC2 instances, and CI/CD servers, ensuring flawless execution.

· Optimized network services, significantly minimizing downtime by implementing efficient host IP allocation on AWS EC2 and Route53.

· Played an integral role in developing software and pipelines using Django(Python),SQLite, APIs, and Jenkins, Kubernetes, Terraform.

Systems Engineering Intern

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

· Expertly configured over 5 Cisco firewalls, reinforcing network security through SSL decryption, ensuring seamless and protected access.

· Collaborated closely with 2+ key client to tailor SSL decryption solutions for Palo Alto two-ethernet port firewalls, enhancing security measures.

· Streamlined data operations by seamlessly integrating diverse systems, enabling the generation of comprehensive analytical, and quality reports.

PROJECTS

InCollege

University of South Florida · https://github.com/Team-Alaska-CEN4020/InCollege · September 2023 - Present

· Collaborating in agile, Scrum-based development with 5+ team members, connecting college students and enhancing career prospects.

· Utilizing Jira, Git, Python (backend), HTML, CSS, JavaScript, Google APIs, and Pytest for testing.

· Contributing to functional and non-functional planning, with scalability provisions for 50,000+ students and potential deployment on Azure Kubernetes.

Two-Tier Text storage Application

Personal · September 2023 - Present

· Developing a Flask-based two-tier text storage app with MySQL database, capable of storing over 1 million texts efficiently.

· Employing AWS EC2 to create Docker images, with Kubeadm for Kubernetes and Helm for deployment.

· Hosting the app on EKS, achieving seamless scalability, while creating and managing 2+ Docker images to streamline operations.

Microservices Navigation App

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

· Engineered Django microservices, harnessing 5+ Google APIs (reCaptcha, Places, Distance Matrix, Geocoding) for a robust navigation web app.

· Orchestrated full-stack development, merging Python(Django), HTML, CSS, JavaScript, AJAX and jQuery for a seamless and dynamic user experience.

· Elevated efficiency with AWS EC2 and Kubernetes, enabling dynamic scaling, load balancing, and high-performance hosting.

Stock Analysis GUI

University of South Florida · https://github.com/mananahujaa/StockDataGUI · September 2023 -October 2023

· Developed a real-time financial data visualization tool with C++ and Windows Forms, handling thousands of data points, achieving a 99% data accuracy rate.

· Implemented interactive date range filtering, allowing users to analyze financial data over defined periods.

· Created dynamic candlestick charts using the DataVisualization library, displaying 5,000+ data points per chart, enhancing data analysis efficiency by 40%.

Terraform-IaC for Scalable AWS Infrastructure

Mphasis Limited · July 2023 - July 2023

· Crafted KPI reports, enhancing processes through Terraform (IaC), provisioning IAM roles and EC2 instances with meta-arguments for a client project.

· Leveraged HCL language and Terraform's modular structure of 4+ dedicated files, ensuring an organized, efficient codebase.

· Seamlessly scaled and managed application deployment via Docker containers, optimizing efficiency.

Personal portfolio

Personal · https://manan-portfolio.s3.amazonaws.com/index.html · June 2023 - June 2023

· Developed project utilizing 4+ languages HTML, JS, CSS, and Bootstrap to create an engaging and responsive user interface.

· Designed and implement 10+ innovative features and functionalities, ensuring seamless navigation and optimal user experience.

· Employing best practices in coding, testing, and debugging to deliver a high-quality, visually appealing website that aligns with industry requirements.

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, Agile(Scrum), SDLC, SAFe, Business administration, DevOps, Jira