

KEY SKILLS

Java | Python | C | Cloud Computing | Kubernetes | Docker | Red Hat | Cybersecurity | R | SQL | LaTeX

WORK EXPERIENCE

Gulf Business Machines — Junior Engineer, Cybersecurity | Abu Dhabi, UAE NOV 2024 – PRESENT

BGC Group/ Cantor Fitzgerald – Infrastructure (Technology) Intern, UNIX | London, UK JULY 2024 – SEPT 2024

- Migrated observability stack from monolithic versions to cloud-agnostic microservices on Red Hat OpenShift
- Deployed infrastructure and log management apps - Prometheus, Promtail, Grafana, Loki, Mimir and OTel
- Customized Docker images to adhere to security standards and meet platform-specific requirements
- Introduced Kubernetes, Helm charts and Open Shift via demos to 15-20 team members
- Worked alongside team to learn about maintaining CentOS/Rocky Linux servers
- Researched the Java JMX Exporter to instrument Java applications and expose their metrics
- Used Nexus and Vault for artifact and secret management
- Learnt about PostgreSQL architecture, GitLab CI/CD and automation using Ansible AWX

Quantum Ventura — Technology Intern, Cybersecurity | Dubai, UAE JUNE 2022 – AUG 2022

- Gained foundational knowledge in cybersecurity and network fundamentals
- Explored the intricacies of network layers and the process of data transfer between machines
- Investigated a range of cyber threats such as DDoS, Injection, Password, XSS, Backdoor & Ransomware
- Worked with a team of 5 on the launch of an NDR/EDR product to monitor, detect and visualize threats
- Evaluated softwares such as Apache Flink, Kafka, Zeek and ElasticSearch
- Analyzed market segments to effectively position product within the competitive landscape
- Conceptualized 10-15 dashboard features such as different dashboards for IT admins and senior leadership

CERTIFICATIONS

AWS Certified Cloud Practitioner (CCP)	OCT 2024
Red Hat RHCSA Rapid Track Course (RH199)	NOV 2024
Fortinet Certified Fundamentals - Cybersecurity (FCF)	NOV 2024
Certified Kubernetes Administrator (CKA)	EXPECTED: DEC 2024

EDUCATION

University of Leeds – BSc Computer Science and Mathematics (Honors) | Leeds, UK SEPT 2021 – JUNE 2024
Relevant: OOP, Algorithms & Data Structures, AI, Numerical Computation, Databases

GEMS Modern Academy – High School Diploma | Dubai, UAE APR 2017 – SEPT 2021
Relevant: Comp.Sci. - Java (Grade 10 & 12: 100%; 97%), Maths (Grades 10 & 12: 94%; 91%)

PROJECTS

Proactive Autoscaling in Kubernetes - Research project on autoscaling strategies on Microsoft Azure
AI Presenter - Spoke at the 'New Directions in AI' conference at SRM Institute before 150+ attendees
'Carpe Vitae Capital' - Team of 3 built a web page using HTML/CSS, JavaScript to visualize financial assets
'Our Meraki' - Created a platform to assist with animal adoption, designed the website with 200+ adoption listings
Data Mining - Team research on 'Sentiment Analysis in the Fashion Industry' for an EPSRC proposal