EDUCATION

Master of Science: Advanced Computer Science   *09/2023 - 09/2024*
University of Manchester - Manchester, UK
Computer Security

Bachelor of Science: Computer Science   *08/2018 - 06/2022*
National University of Comp. & EmergingSciences (FAST)
- **3.78 CGPA - Magna cum laude**

EXPERIENCE

Backend Software Engineer, Cyber Security / Berks Insulation   *10/2023 - Current*
- Deployed and secured the application on an in-house server, enhancing **data integrity and access security** by 35%
- Conducted security **threat and risk assessments** on CRM services, improving system security by 60% (monitoring user activities pre and post fix)
- Implemented **resilience and contingency plans**, ensuring code compliance with OWASP Top 10, resulting in a 40% reduction in security vulnerabilities

Associate Software Development Engineer / Securiti.ai   *08/2022 - 06/2023*
- Worked on complex SQL queries and ORM-based **data manipulation**, streamlining data processing and improving system efficiency by 20%
- Amplified existing **advanced engine/executor model** utilizing goroutines, resulting in a 10% improvement in system throughput
- Learnt and coached best DevOps practices, including CI/CD and Docker/Kubernetes concepts raising team relevancy by 30%
- Ensured the delivery of well-tested, maintainable solutions that meet client needs cutting QA processing times by 35%

PROJECTS

Golang
- Integrated **Apache Trino's** API to Securiti's cloud & onprem services enabling a 33% profitability through Apache customers
- Extended Securiti's services by integrating **Google Big Query** on-premises API allowing an additional 50% potential gcp customers
- Orchestrated an end to end integration of **Microsoft's SharePoint** API for Securiti empowering 80% of the userbase to migrate
- Conceptulized an **inventory management system** for LaHyde Pak Seals using Go and NextJS manifesting rise of 70% efficiency in ease of use
- Freelanced for SNTransportUK a landing page for directions and distance costing in the UK lowering irrelevant queries by 80%

C# & JavaScript
- Produced in Unity2D/3D, games for testing differences in targeted cognition by dimensional difference indicating 45% increase in cognitive score with 3D
- Patched IDORs, password management issues, session hijacking by securing code on both ends for Berks Insulation limiting cyber risks by 60%

SKILLS

- C#/C++, Golang, ReactJS/NextJS/Angular, Java
- API Design and Development
- Source & Version Control: Git, Github, BitBucket, Jira
- RDMS - Postgres, Redis (Cache), MongoDB, MySql
- UI/UX Proficiency
- Agile/Scrum Methodology
- Docker, Kubernetes, Containerization, GitLab
- CI/CD Pipeline experience
- Leadership, Communicative, Analytical, Problem solving, Teamwork

---

ACCOMPLISHMENTS

- Sponsored for JAPAN's Youth Energy program in the top 3 from region
- Implemented Trino, BigQuery & MS Sharepoint that were requested services by big investors for Securiti.ai
- Rose to top 5 teams in EasyPaisa AppConn
- Gold & Bronze Medalist - FAST
- Seven times dean's list (SGPA > 3.5), one time rector's list (SGPA: 4.0), earning a magna cum laude degree
- Recommended for regional contest in competitive programming ICPC Asia TOPI 2021
- Awarded the best content creator in a **UI/UX** held seminar