Blake Tan Ting Yu

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EDUCATION

National University Of Singapore (NUS)
Bachelor of Computing in Computer Science, Honours (Distinction) — *Aug. 2020 – Dec. 2023 (Expected)*

Temasek Polytechnic
Diploma in Digital Forensics with Merit (Bronze Medalist) — *Apr. 2015 – May 2018*

WORK EXPERIENCE

Visa Inc — Singapore
Software Engineer Intern — *May. 2022 – Aug. 2022*

- Developed 4 job flows using CloverDX, Bash Scripting and SQL that are scheduled periodically to automate remediation and report job failures in Visa Resolve Online (VROL)'s QA environments which led to a Decreased server downtime by 30%
- Supported VROL's testing and engineering process by executing test cases based on the functional specifications and automated test scripts using Selenium, SoapUI & Postman
- Maintained the VROL application's code using Java Spring, refactored 500+LoC and added JavaDocs documentation

United Overseas Bank (UOB) — Singapore
Core Business Technology Intern — *May. 2021 – Aug. 2021*

- Developed and scheduled 10 jobs to automate processes for 3 different applications in 3 different servers, reducing repetitive manual work by 40%
- Maintained communication between the applications in the Stand-in Authorization Switch (STA) which routes payment between UOB Singapore and Thailand, using IBM MQ
- Automated reporting of payment failures or frauds in the logs by formulating Splunk queries
- Assisted the containerisation of different applications using Docker, Kubernetes

Centre for Strategic Infocomm Technologies (CSIT) — Singapore
Research and Development Engineer Intern — *Nov. 2017 – Feb. 2018*

- Developed a malware detecting tool for Android smartphones, alerting users whenever there are changes made to files containing sensitive information, with a detection accuracy rate of 70%

PROJECTS

McKitchen, Recipe Book Application | *Java, JavaFX, Junit5* — Feb. 2022 – May. 2022

- Spearheaded development of a Java desktop application that aims to help home cooks, beginner cooks and students to store or search for simple recipes to cook
- Reviewed 60 pull requests of teammates thoroughly and contributed 2k LoC worth of feature, tests and docs code

Chudoku | *HTML, CSS, PHP, JavaScript, MySQL* — Dec. 2016 – Feb. 2017

- Built a full stack ECommerce web interface which focuses primarily on security aspects

TECHNICAL SKILLS

Languages: Java, Bash, Python, C, C++, SQL, JavaScript, PHP, HTML, CSS
Frameworks: ExpressJS, GatsbyJS, ReactJS, JUnit
Developer Tools: CloverDX, Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse, SoapUI, Postman, Splunk

AWARDS

Honors & Awards : CSIT Scholarship AY2015/2016 & AY2017/2018, Director's List AY2015/2016 and AY2016/2017
Hackathons & Competitions : STANDCON 2022, BrainHack 2021 & 8th Singapore Cyber Conquest 2017
Certification & Courses : Meta's Above and Beyond Computer Science (ABCs) Program, Linux Redhat Certified System Administrator (RHCSA), Udemy Courses: Dockers for Absolute Beginners, JavaScript - Complete Guide, NodeJs - Complete Guide