

Azeem Vasanwala

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EDUCATION

National University of Singapore—Bachelor of Computing in Computer Science—GPA: 4.77/5.0 (2019 - May 2023)
Singapore Polytechnic—Diploma in Information Technology—GPA: 4.0/4.0 (2014 - 2017)

EXPERIENCE

STRIPE – SOFTWARE ENGINEER (CARDS PRODUCT PLATFORM TEAM) AUG 2023–PRESENT

- Led a team of 4 to design and develop an API to provide supplementary payment metadata that provides both Stripe and merchants with cost savings
- Contributed to foundational code to build a platform for Card-based payments, unlocking new Card-like payment methods such as AmazonPay, RevolutPay and MobilePay
- Contributed to team operational processes such as the on-call rotation, proposal reviews, new-hire spinups, etc.

Technologies used: Ruby, Sorbet, Scala, Java, SQL

STRIPE – SOFTWARE ENGINEERING INTERN (PAYMENT METHODS TEAM) MAY 2022–JUL 2022

- Led effort to update QR code service to support visual customisation improving aesthetics of QR code payment methods
- Forked and integrated open-source libraries to add functionalities for QR code service and add security measures
- Developed internal interface that payment methods could implement to improve robustness of QR code payment tests

Technologies used: Ruby, Sorbet, S3, Terraform

SHOPEE PTE LTD – SOFTWARE ENGINEERING INTERN (SERVER TEAM) MAY 2021–JUL 2021

- Worked on optimising API calls to databases to return information faster
- Migrated multiple monolithic functions to micro services to improve existing architecture
- Implemented concurrency library to parallelise database reads across order information APIs

Technologies used: GoLang, Redis, MySQL

GOVTECH SINGAPORE – SOFTWARE ENGINEERING INTERN MAY 2020–JUL 2020

- Worked on encryption library for TraceTogether Token, which is aiding Singapore's COVID-19 contact tracing efforts
- Worked on APIs for TraceTogether Token's supporting services to ensure compliance and conformity
- Developed plugins for DECADA Edge Gateway—a tool to manage IOT devices used by various Government Agencies

Technologies used: NodeJS, C, C++, Qt

NYX INTELLIGENCE — CO-FOUNDER AND TECHNICAL LEAD

I started a software consultancy with 2 other partners in 2017 and we have taken on projects for various clients, some of which are documented below. More projects can be found on our website: <https://www.nyxintelligence.com>

POLICYXCHANGE PTE LTD AUG 2018–PRESENT

- Led a team of 5 to build from scratch a [platform](#) for insurance agents to manage their clients and trade insurance policies
- Implemented user management, subscription management through stripe, and managed infrastructure and DevOps
- Platform currently has 3100+ users and 6500+ policies, and is still undergoing active development

Technologies used: ASP.NET Core, VueJS, SQL, HTML/CSS/JS, Azure, Firebase

CLUBS AND SOCIETIES

NUS HACKERS - PRESIDENT

- Led a team of 20 to spread hacker culture, run weekly events as well as Singapore's [largest student-run hackathon](#). See what we do at <https://www.nushackers.org>

MICROSOFT LEARN STUDENT AMBASSADOR

- Taught and organised workshops on introduction to programming, cloud hosting, and AI gaming

SKILLS

C#, Java, Python, JavaScript, GoLang, ASP.NET Core, ASP.NET MVC, NodeJS, HTML/CSS/JS, VueJS, SQL, Firebase, Azure services, Azure DevOps, AWS, Redis

ACHIEVEMENTS AND AWARDS

- Dean's List (AY2020/21 Semester 2, AY2021/22 Semester 1)
- Singapore Digital Scholarship (2019 - Present)
- Integrated Infocomm Scholarship (2014 - 2017)
- Valedictorian for Singapore Polytechnic's Class of 2017
- Singapore Computer Society IT Youth Leader — Finalist (2017)

HACKATHONS AND COMPETITIONS

- Microsoft Imagine Cup — National Champions (2016)
- Singapore Technology Federation — Gold Award (2016)
- RAS Hackathon — Most Functional Prototype (2017)
- MOE Buildathon — Top 10 (2017)
- SIA App Challenge — Skyscanner Prize (2015)