

# SIDDHARTH MADHAVAN

Website: [sidhmads.github.io](https://sidhmads.github.io) | LinkedIn: [linkedin.com/in/sidhmads](https://linkedin.com/in/sidhmads) | GitHub: [github.com/sidhmads](https://github.com/sidhmads)  
Email: [siddharth.madhavan@gmail.com](mailto:siddharth.madhavan@gmail.com) | Nationality: Singaporean

## EDUCATION

<b>National University of Singapore</b>	B.E. in Computer Engineering (Honours) Second Major in Innovation & Design Program <b>GPA: 4.39/5 or 3.60/4</b>	<b>Aug '16 - Jun '20</b>
<b>NUS Overseas Colleges - University of Toronto</b>	Year-long entrepreneurial program where I worked in a high-tech start-up and took courses in entrepreneurship, marketing, and new venture creation.	<b>Aug '18 - Jul '19</b>

## WORK EXPERIENCE

**Visa Inc., Singapore** **Oct '20 – Present**

### Senior Software Engineer – PaaS (Nov '21 – Present)

- Handling monitoring solutions across various platforms within Visa
- Responsible for developing a unified interface for users to onboard logs on different log monitoring platforms such as Prometheus, Humio and Splunk
- Responsible for deprecating the usage of BMC Patrol with in-house monitoring solutions
- Responsible for enabling end-to-end system monitors and building dashboards and alerts

### Associate Technical Product Analyst – Solution Architecture (Oct '20 – Nov '21)

- Handled system integration and technical solutions delivery
- Constructed architecture diagrams, server, and firewall blueprints after analysing infrastructure needs
- Lead infrastructural discussions among multiple stakeholders to achieve project objective
- Aided in Virtual Machine creation and Physical Server procurement

**Bot MD., Singapore** **Jun '20 – Sept '20**

### Software Engineering Intern

- Created a critical ECG alert integration through AI chatbot for emergency medical alerts
- Created a mental health check-in module to capture daily user moods using pictograms

**Blockthrough Inc., Toronto, Canada** **Aug '18 – Jul '19**

### Software Engineering Intern

- Created an industry standard Single Request Architecture that reduced network calls and increased the overall revenue by about 40%
- Implemented a tag-free way for publishers to onboard, reducing on-boarding time by 33%
- Aided in getting Google Ad Exchange up and running for all publishers thereby increasing the overall revenue by more than 20%

**PayBoy Pte Ltd., Singapore** **Jun '17 – Oct '17**

### Software Engineering Intern

- Added new scenarios to the core decision making framework in leave systems that enabled leave carryover capabilities
- Practiced test-driven development to ensure 100% coverage of the software including unit, integration, and functional testing

**Singapore Armed Forces., Singapore** **May '14 – Mar '16**

### 21<sup>st</sup> Singapore Artillery – 3<sup>rd</sup> Sergeant

- Recipient of the Silver Bayonet – awarded to the top 10% of the cohort, based on their leadership qualities, fitness, and other measures
- Recipient of the NS Excellence Award – awarded to the top 10% of performers during In-Camp Training

## COMPETITIONS AND ACHIEVEMENTS

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- Visa Inc, APAC Regional Intern Case Challenge – Mentor of winning team **(2021)**
- Singapore Armed Forces National Service Excellence Award – Recipient and top 10% of cohort **(2021)**
- NUS Overseas Colleges Programme – Selected as Student Ambassador to University of Toronto **(2018)**
- ST Electronics' Tech Factor Challenge – Semi-Finalist **(2017)**
- Singapore Armed Forces Silver Bayonet – Recipient and top 10% of cohort **(2015)**

## SKILLS

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**Certifications:** Certified Kubernetes Administrator (CKA)

**Proficient Languages:** C, Golang, Java, JavaScript, Python, Ruby, SQL

**Familiar Languages:** Assembly, C++, Scala, Verilog

**Software:** Apache Spark, Bitbucket, Bosun, Elasticsearch, GitHub, Kubernetes, Prometheus, Humio