

Shamsheer Ahamed

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Personal Statement

About Me

Upcoming NUS graduate offering a strong foundation in software engineering and programming principles across multiple platforms. Experienced in object-oriented programming; front-end and back-end web development; developing, testing and debugging code; designing interfaces; and administering systems. Quickly learn and master new technologies; successful working in both team and self-directed settings.

Internship Objective

Seeking an internship position that will allow me to explore career options in the tech field. As a self-motivated, hardworking undergraduate student in computer engineering, I have interned as a software engineer in a startup, participated in hackathons and completed advanced projects relevant to this internship position.

Work Experience

Fulfilled is a Business-to-Business content-delivery and client-tracking software platform targeting health and fitness coaches, and gyms to better deliver content and lessons to their clients as well as to track their clients' progress in their quest to achieve their fitness and health goals. Here I interned as a Software Engineer, working on its backend systems, developing new APIs to support its new payment feature and picked up important testing skills that include writing test cases using RSpec, a testing framework suite designed for Ruby on Rails applications.

Unique Skill Sets

Along with software engineering skill sets, I am also a natural speaker with experience moderating panels and fireside chats for NUS Entrepreneurship Society. I worked with NUS Student Union, to perform, as one of the main actors, in a play called NUSSU Infusion 2018. Having such forms of experience, allows me to be more expressive and confident.

Education

Aug 2016 - Present	National University of Singapore Bachelor of Computing (Honours) in Computer Engineering (<i>Course details in Appendix A</i>)	Singapore
Jan 2012 - Dec 2013	St Andrew's Junior College <ul style="list-style-type: none">• Singapore-Cambridge General Certificate of Education Advanced Level• Subjects: Physics, Chemistry,, Physics, Economics	Singapore

Work Experience

Dec 2017 - Feb 2018	Serendipity Machine Private Limited (trading as Fulfilled) <i>Software Engineering Intern</i> <ul style="list-style-type: none">• Built reusable RESTful APIs in the back-end to handle clients payments• Wrote service classes that communicates with Stripe's API to ensure successful 3-Secure Card Payments for the clients.• Adopting a test driven development environment, wrote and implemented RSpec Test Suites that allow for fast corrective actions and potential cost savings (More details in Appendix A)	Singapore
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Extracurricular Activities

Dec 2015 - Aug 2016	SDI Academy - A social enterprise that empowers migrant workers and refugees with language, vocational and computer skills <ul style="list-style-type: none">• Organised SDI Academy's First Preview Session at Yale-NUS• Designer of Newsletter and Cover Arts through the use of MailChimp and Photoshop	Singapore
Aug 2016 - Present	NUS Entrepreneurship Society Vice President, Special Projects <ul style="list-style-type: none">• Organised and conducted NOC101 Pilot Programme• Organising committee for NES BootCamp 2016• Organising committee for Career and Internship Fair 2017	Singapore
Aug 201	Ideasinc - Startathon 2017 Here, I worked on a Smart Safety Helmet that aims to ensure port and HDB workers continue to use their PPE through the use of persuasive technology. Some of its key features include a portable ventilation system within the helmet that regulates the users temperature, sensors that feedback workers vitals to the cloud allowing managers to monitor their vitals and a comfortable strap that doubles as the power cable.	Singapore

Skill Sets & Proficiency

Programming	Java	Proficient
	Ruby	Proficient
	Assembly	Proficient
	C	Proficient
	C++	Intermediate
	Python	Intermediate
	MATLAB	Basic
	Swift	Basic
Web	HTML, CSS	Proficient
	Ruby On Rails	Proficient
	MeteorJS	Proficient
	ReactJS	Basic
Database	MongoDB	Proficient
	MySQL	Intermediate
	SQL	Intermediate
Scripting	JavaScript	Proficient
Markup	Less	Proficient
	Bootstrap	Proficient
	XML	Basic
Operating Systems	Windows 9x, 2000, XP	Basic
	Unix/BSD	Basic
Hardware Design	Verilog	Intermediate
	Arduino	Intermediate
	Circuit design	Basic
	Raspberry Pi	Basic
Multimedia	Sketch (Professional Digital Design for Mac)	Proficient
	Adobe CS6 Photoshop Suite	Proficient

Language Proficiency

Spoken	English – fluent; Tamil – fluent
Written	English – competent; Tamil – competent

Additional Information - Personal Projects

NUSMeets	Designed and implemented a Events database page using MeteorJS that allows users to view and interact other event attendees.	Singapore
CollegeZone	CollegeZone is a desktop application for NUS Residential College 4 (RC4) students. It has a GUI but most of the user interactions happen using a CLI (Command Line Interface).	Singapore
Local Weather App	Implemented a local weather app that will show current weather based on your location using dark clouds API	Singapore
Twitch API Viewer	Implemented an Interactive Twitch Channels Viewer using HTML, CSS and Javascript that lets you view what your favourite channels are streaming and whether they are online or not.	Singapore
Online Directory		
GitHub	https://github.com/sham-sheer	Singapore
GitLab	https://gitlab.com/shamTribes	Singapore

Degree: Bachelor of Engineering (Honours) in Computer Engineering
Cumulative Average Point: 3.90 / 5.00

Year	Level	Course Description	Grades
Aug – Nov 2016	Year 1/Semester 1	Programming Methodology	S
		Mathematics I	B+
		Critical Thinking and Writing	A-
		Physics IE	A-
		Engineering Principles and Practice I	CS
Jan – May 2017	Year 1/Semester 2	Quantitative Reasoning	A-
		Engineering Principles and Practice I	CS
		Critical Perspectives In Advertising	S
		Mathematics II	S
		Physics IIE	B+
Aug – Nov 2017	Year 2/Semester 1	Independent Software Development Project (Orbital)	CS
		Data Structures and Algorithms I	S
		Digital Fundamentals	B-
		Electronic Circuits	B-
Aug – Nov 2018	Year 2/Semester 2	Embedded Systems	In-progress
		Software Engineering	In-progress
		Programming for Computer Interfaces	In-progress
		Effective Communication for Computing Professionals	In-progress
		Signals and Systems	In-progress
		Real-Time Operating Systems	In-progress

NUS Grading Scale:

A+ & A (5.0); A- (4.5); B+ (4.0); B (3.5); B- (3.0); C+ (2.5); C (2.0); D+ (1.5); D (1.0); F (0)

S = Satisfactory; U = Unsatisfactory

CS = Completed Satisfactorily; CU = Completed Unsatisfactorily

EXE = Exempted; IC = Incomplete; IP = In Progress; W = Withdrawn



<https://www.getfulfilled.co/>

Serendipity Machine Pte Ltd
trading as Fulfilled
310 Hougang Avenue 5
#11-275
Singapore 530310

22nd January 2018

To whom it may concern,

Recommendation Letter for Shamsheer Ahamed

Fulfilled is a Business-to-Business content-delivery and client-tracking software platform targeting health and fitness coaches, and gyms to better deliver content and lessons to their clients as well as to track their clients' progress in their quest to achieve their fitness and health goals.

This letter serves as a testimonial to Shamsheer's performance as a Software Engineering intern with Fulfilled.

Shamsheer joined Fulfilled as a software engineering intern on 6th December 2017.

Upon joining Fulfilled, he was assigned to work on the backend server systems based on our immediate engineering needs as well as my in-person evaluation of Shamsheer's abilities and experience.

In the month and a half he has been with Fulfilled, Shamsheer has shown tremendous aptitude in Software Engineering as a whole. As our backend system has been developed in Ruby on Rails, a language and software stack Shamsheer has no prior experience in, he has had to learn and pick up the basics quickly. This has been clearly shown during his internship.

In addition, Shamsheer was assigned to develop new APIs to support our new payments feature for our client gyms and coaches, which allows them to sell fitness programmes and memberships through our system. This required integration with our payment service provider, Stripe, and be able to reliably handle any failures without adversely impacting customers' credit cards. Fruits of Shamsheer's labour is scheduled to be deployed to our production system in the middle of February 2018.

As part of our Test Driven Development approach, Shamsheer has also picked up important testing skills and this includes writing test cases using Rspec, a testing framework suite designed for Ruby on Rails applications.

Shamsheer has also shown to be a very independent and very resourceful software engineer. I have no doubt in Shamsheer's software engineering abilities and he will be a very useful addition to any technology company.

Yours faithfully,

Yusry Harfuddin – yusry@getfulfilled.co
CTO – Serendipity Machine Pte. Ltd. (*trading as Fulfilled*)

