

SYED OMAR FARUK (TOWAHA)

17/A, Chowdhury Cottage, Moktobgoli, Kazitula, Sylhet, Bangladesh 3100

C: (+880)1751034342, +1(306)500-1142 | soft@hotmail.co.uk | www.towaha.me |

<https://uk.linkedin.com/in/softowaha>

PROFESSIONAL SUMMARY

Currently I am working as the Chief Technology Officer at HEXit, a tech startup firm. I Joined HEXit in 2017. My responsibilities as the CTO at HEXit are leading all the groups and teams of the company, planning annual budgets for the company, grooming the employees, helping with any technical difficulties, deal with large scaled projects, conduct a different kind of clients. I personally cooperate with the iOS and Android teams.

I was the Director of SwapnoBangla IT for almost 1.5 years, a software developer focused IT firm. In this role, I lead the company's software engineers, web developers, designers, and content developers and managing the annual spend. Our most exciting work to date was creating a social media and online advertising campaign that generated enormous media buzz. Not only did we have fun creating that campaign, but also we found it rewarding to see the results. We have built a number of web applications, eCommerce websites, Android & iOS applications and personal websites in last one year.

Before joining SwapnoBangla IT, I worked as a freelancer. I worked with a number of famous companies while I was working as a freelance software developer.

I'm truly passionate about my work and always eager to connect with other marketers. While I enjoy all aspects of my job, I think my favourite stage of a project is working with software development.

I have a B.Sc. in Physics and a B.Sc. in Computer Science and Engineering from Shahjalal University of Science and Technology. Besides I am a published author of several tech books published from different countries. I am a Mozilla Representative and I am an open source enthusiast. I was selected for the internship at Google in 2015 as a JavaScript Engineer in San Francisco.

I am self-motivated, fast learner and I know my limits. I don't quit, I just keep working until it is done. I have a major problem and that is, I can not stop till my project/work is completely done. I do not believe in luck what I believe is in self-motivation and self-belief. I do not dream only; I make them come true with all my efforts.

PUBLICATIONS (Books and Videos)

- **Building Smart Drones with ESP8266 and Arduino** | PacktPub February, 2018 | Author: Syed Omar Faruk Towaha | <https://www.packtpub.com/hardware-and-creative/building-smart-drones-esp8266-and-arduino>
- **Introduction to Rust Programming** | PacktPub December, 2017 | Author: Syed Omar Faruk Towaha | <https://www.packtpub.com/application-development/introduction-rust-programming-video>
- **Learning C for Arduino** | PacktPub March 15, 2017 | Author: Syed Omar Faruk Towaha | <https://www.amazon.ca/Learning-Arduino-Syed-Faruk-Towaha-ebook/dp/B01N7F91HN>
- **JavaScript Projects for Kids** | PacktPub February 4, 2016 | Author: Syed Omar Faruk Towaha | For sample chapter and code go her: <https://www.packtpub.com/web-development/javascript-projects-kids>
- **Rust Essential** | PackPub Author: Syed Omar Faruk Towaha, Ivo Balbaert | This book is all about Rust language. [Reviewed] | <https://www.packtpub.com/application-development/rust-essentials>
- **Easy Circuits for Kids** | Prentice Hall of India September 8, 2014 | Author: Syed Omar Faruk Towaha | Just an illustrative book for kids on how they can design their electronics circuits easily; | <https://drive.google.com/file/d/0B20tuQExLUnlQmgwOTBVOEtKWk0/view?usp=sharing>
- **How You Should Design Algorithms** | Mohamaya Publisher, Nepal July 7, 2012 | Author: Syed Omar Faruk Towaha | <https://drive.google.com/file/d/0B20tuQExLUnlNEwyMEVTUVRLeFk/view?usp=sharing>
- **Fundamentals of Ruby** | Raghupati Printers, Aasham November 12, 2013 | Author: Syed Omar Faruk Towaha | <https://drive.google.com/file/d/0B20tuQExLUnld0V1WGhJSHk2NFk/view?usp=sharing>

TOOLS AND LANGUAGES

- JavaScript
- C
- C#
- Java
- Swift
- Rust
- Web Development
- Web Design
- Software Development
- Wireless Communication
- Linux
- Database Management
- Algorithm Design
- Project Management
- Team Lead
- Technical Assistant
- Graphics Design
- Server Programming
- Visual Studio
- Microcontroller Programming

WORK HISTORY

HEXit | Founder and Chief Technology Officer| Saleha Garden, SUST Gate, Akhalia, Sylhet |
March 2017 - Current

- Lead, in conjunction with the Board, the development of the HEXit's strategy.
- I lead and oversee the implementation of the Hexit's long and short term plans in accordance with its strategy.
- I ensure the HEXit is appropriately organized and staffed and to have the authority to hire and terminate staff as necessary to enable it to achieve the approved strategy.
- I ensure that expenditures of the HEXit are within the authorized annual budget of HEXit.
- I assess the principal risks of the HEXit and to ensure that these risks are being monitored and managed.
- I ensure effective internal controls and management information systems are in place.
- I ensure that the HEXit has appropriate systems to enable it to conduct its activities both lawfully and ethically.
- I ensure that the HEXit maintains high standards of corporate citizenship and social responsibility wherever it does business.
- I act as a liaison between management and the Board.
- I communicate effectively with shareholders, employees, Government authorities, other stakeholders and the public.
- I ensure that the Directors are properly informed and that sufficient information is provided to the Board to enable the Directors to form appropriate judgments.
- I ensure the integrity of all public disclosure by the Company.
- I request that special meetings of the Board be called when appropriate.
- I do in concert with the Chairman, to determine the date, time and location of the annual meeting of shareholders and to develop the agenda for the meeting.
- I abide by specific internally established control systems and authorities, to lead by personal example and encourage all employees to conduct their activities in accordance with all applicable laws and the Company's standards and policies, including its environmental, safety and health policies

SwapnoBangla IT | Director | Saleha Garden, SUST Gate, Akhalia, Sylhet | January 2016 –
February 2017

- Implemented designs, including experimentation and multiple iterations.

- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Directed software design and development while remaining focused on client needs.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.
- Interfaced with business analysts, developers and technical support to determine the best requirement specifications.

Freelance Web and Mobile Application Developer | June 2007 - October 2014

- Worked for various type of clients
- Designed and Developed websites
- Built Mobile Applications

ACCOMPLISHMENTS AND SOLO PROJECTS

- Business Model Development for HEXit March 2017
- Drone for weight Lifting [SUST Drone Team] January 2014 to December 2015
- Drone Control Station Software [SUST Drone Team] January 2014 to December 2015
- Several Arduino Projects June 2014 to July 2014
- Smart Weather Station March 2013 to June 2013
- Hospital Management January 2015 to April 2015
- Dental Clinic Management August 2015 to September 2015
- Super Shop Management January 2016
- Social Networking Site [Like Facebook] February 2016 to March 2016
- Hospital Management Software February 2016
- Glowing Clock [Firefox OS App] March 2014
- Play Piano [Firefox OS app] February 2014
- Cat Age Calculator [Firefox OS App] January 2014
- English to German Wordlist [Firefox OS App] January 2014
- Fox Memo [Firefox OS App] February 2014
- Law of Motion [Firefox OS App] January 2014
- Tap To Fly [Firefox OS App] January 2014
- Jump Cookie Monster [Firefox OS App] January 2014
- Shoot ASAP [Firefox OS App] January 2014
- 2048 for Firefox OS January 2014
- Play With Dots [Firefox OS App] February 2014
- Perfect Match [Firefox OS App] February 2014
- Bangla Chora [Firefox OS App] January 2015
- Designed and created software and systems for high-traffic social networking services January 2016
- Employee number 1 at SwapnoBangla Group.

EDUCATION

Bachelor of Science | Physics | 2011-2016 | Shahjalal University of Science and Technology, Sylhet, Bangladesh

- Emphasis in Electronics
- Seminar in Recent Physics
- Trained in Mathematical Physics
- Advance physics courses

Bachelor of Science | Computer Science and Engineering | 2012-2017 | Shahjalal University of Science and Technology, Sylhet, Bangladesh

- Software Specification course
- Advance Computer Science courses
- Trained in Algorithms and Software Engineering.

Higher Secondary Certificate (HSC) | Science | 2011| Sylhet M. C. College, Sylhet, Bangladesh

- Topped in Division
- Topped in college
- Participated in lots of extra curricular activities

Secondary School Certificate (SSC) | Science | 2009| The Aided High School, Sylhet, Bangladesh

- Topped in Division
- Topped in School
- Did organize events
- Did win lots of prizes fro extra curricular activities.

CERTIFICATIONS

- **LICT (JAVA Track)** | ICT Division, BD | Bangladesh Computer Council | September 2016 | Certificate validation number: G003859
- **Best programmer** | American Programmers Independent, LLC. | March 2012
- **Java Master** | Oracle Inc. | February 2012
- **CPA: C++ Certified Associate Programmer** | April 2013
- Certificate of Completion: Java Course | SoloLearn | License 1068-794415 | June 2016
- Certificate of Completion: JavaScript Course | SoloLearn | License 1024-794415 | June 2016

- Certificate of Completion: C# Course | SoloLearn | License 1080-794415 | June 2016
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- Certificate of Completion: CSS Fundamentals | SoloLearn | License 1023-794415 | May 2016
- Certificate of Completion: HTML Fundamentals | SoloLearn | License 1014-794415 | May 2016
- Certificate of Completion: PHP Course | SoloLearn | License 1059-794415 | May 2016
- Certificate of Completion: SQL Fundamentals | SoloLearn | License 1060-794415 | May 2016

AFFILIATIONS

- **Mozilla** | Mozilla Reps | February 2015 to Present | Web: <https://reps.mozilla.org/u/soft/>
Blog: <http://mozilla.towaha.me/>
- **Mozilla** | Regional Ambassador Lead | March 2016 to October 2016
<https://wiki.mozilla.org/StudentAmbassadors/RAL>
- **CAM-SUST** | President | January 2015 to December 2015 <https://camsust.org>
- **SwapnoBangla Group** | Web Developer | January 2016 to May 2016 | Web: <http://sbg.com.bd>
- **SwapnoBangla Group** | Software Engineer | January 2016 – May 2016 | <http://sbg.com.bd>
- **SwapnBangla IT** | Director | May 2016 – February 2017 | Web: <http://it.sbg.com.bd>
- **HEXit** | CTO | March 2017 – Present | Web: <https://hexit.com.bd>
- **PacktPub** | Author | February 2016 – Present | Web: <https://packtpub.com>
- **Uhunt Online Judge** | Problem Solver | May 2011 – Mar 2015 | www.uhunt.onlinejudge.org

LANGUAGES

- Bangla (Native proficiency)
- English (Full professional proficiency)
- Spanish (Working proficiency)

HONORS AND AWARDS

- Joy Bangla Youth Award | 2015 | Astronomy | November 2015
- Arranged World Space Week with UNESCO and NASA in 2014 and 2015

REFERENCES

- **Dr. Muhammed Zafar Iqbal** | Professor, Department of CSE | Cell: +880 1711339436 | Email: mzi@sust.edu
- **Dr. Yasmeeh Haque** | Professor, Department of Physics | Cell: +880 1711339435 | Email: yasmeen@sust.edu