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| (+880) 174 909 2343 mail.jamilsiam@gmail.com | Jamilush Siam Talukder | Dhaka, Bangladesh linkedin.com/in/jamilsiam  github.com/siamcr7 |

## Work Experience

**Senior Software Engineer Enosis Solutions** **May 2018 - Present**

* Spearheaded a team of multinational developers for a US based client to develop an enterprise level project
* Reduced the initial Angular bundle size by 700KB by code-splitting and lazy loading the JS files
* Researched, designed and developed a 10x faster high performing module with 2-10x more data traffic than before by optimizing query in ORM, raw SQL scripts and efficient relational database architectural planning
* Enhanced the overall Net Promoter Score by 10 points by successfully launching the first ever public site of the project
* Piloted the design and implementation of a state of the art File Sharing Platform in SPA with special features such as Upload/Download Large Files, Activity Notifications, Show/Hide Nodes and Share Links
* Saved 25%-30% of the developers time by building a Push Based Architecture with RxJS from scratch to improve code readability instead of using popular state management library
* Revitalized the latest good practices into the codebase by enforcing programming paradigms and design patterns such as Single Responsibility Pattern (SRP), DRY Principle, Reactive Programming, Functional Programming
* Scaled the business model by 2-5x proportion with the integration of major third party libraries such as Auth0, Stripe, MailChimp, Piranha cms, HangFire and HelpScout
* Optimized the Angular run-time by 5s with the introduction of Web Workers and Transducers data processing pipeline
* Established a well-organized routine of communication with off-shore client among junior developers to minimize the waiting time of 12 hour time-zone lag

**Junior Software Engineer Orbit Informatics** **Jan 2018 – Apr 2018**

* Learned the basics of back-end programming with OOP PHP programming language
* Got familiar with Unit Testing with PHP Unit Testing, SCRUM Process, JIRA, version control tooling BitBucket

## Skills & Expertise

* Languages: TypeScript, C#, JavaScript, C++, Java, SQL
* Technologies: Angular 9, .Net Core Web API, MSSQL, Entity Framework, RxJS, Kendo UI, EJS Syncfusion UI

## Competitive Programming, Online Judge and Contest Profile

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| * Solved 800+ problems in [various OJs](https://www.stopstalk.com/user/profile/siam_cr7) * Proficient in Algorithm and Data Structure * **[Rank: 04/030]** AIUB CS Fest Programming Contest 2016 * **[Rank: 25/150]** ACM-ICPC Asia Dhaka Regional 2017 * **[Rank: 38/161]** SUST CSE Carnival Contest 2017 * **[Rank: 24/102**] NSU Inter University Programming Contest * **[Rank: 26/128]** BUET Inter University Programming Contest * **[Rank: 38/098]** MBSTU CSE Carnival Programming Contest | * Passed Google Foobar Challenge * Google Code Jam, APAC, Kickstarter * CodeChef **[Rating: 1918]** * HackerRank **[Rating: 1989]** * CSAcademy **[Rating: 1519]** * CodeForces **[Rating: 1637]** * LightOJ **[Solved: 140+]** * UVA **[Solved: 130+]** |

## Education

* **B.Sc. Computer Science,** American International University Bangladesh **(CGPA: 3.9/4.0)** **2014 – 2018**

## Volunteer Experience

* **Competitive Programming Trainer,** American International University Bangladesh **2016 – 2018**
* **Programming Contest Problem Setter,** spoj.com/users/siamcr7 & toph.co **2016 – 2018**