Md Mosharaf Hossan

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Professional Experience

Senior Software Engineer at **Sigma Solutions Ltd.**   **March, 2019 - Present | Dhaka, Bangladesh**

- Lead a small team ensuring productivity and growth of team members.
- Analyze Requirements from clients.
- Implement Functionalities and perform functional review.
- Develop and maintain internal packages (robi-equipment-inventory, laravel-mysql-partition, sigma-db-helper, sigma-package-linker, sigma-table, sigma-sheets).
- Fix bugs and provide quick support to clients (if necessary).

Software Engineer at **Hyper Systems Ltd.**   **May, 2018 - February, 2019 | Dhaka, Bangladesh**

- Implement Functionalities.
- Perform R&D when required to incorporate new technologies.
- Analyze Requirement from operations team.
- Fix bugs and provide quick support to clients (if necessary).

Skills

- **Languages:** PHP, JavaScript, C++, HTML, CSS, SQL
- **Frameworks:** Laravel, Vue.js, AngularJs, jQuery, PHPUnit, Tailwind CSS
- **Version-Control:** Git

- **Tools:** Redis, Docker, Intellij, Vim, Clickup, Slack
- **DBMS:** MySQL

Language Proficiency

- **English**. Proficient (IELTS Scores: Overall: 8;   Reading: 9, Speaking: 7, Listening: 8.5, Writing: 6.5)
- **Bengali**. Native
- **Hindi**. Listening, Speaking

Projects

- **RopeAccess.** A customized internal operations management system along with CRM and task management module.
  - ➔ Performed requirement analysis, task distribution, Functional implementation (coding), and Functional review (testing).

  Technologies: Laravel, Vue.js, PHPUnit, Mysql

- **Pixmama.** Pixmama is the largest stock photo platform in bangladesh. Here professional-grade photographs are bought and sold for a range of purposes, sizes and licenses.
  - ➔ Designed ui, and restructured frontend modules, built APIs, integrated payment gateway(Portwallet, Paypal).

  Technologies: Laravel, AngularJs, Jquery, Mysql, Elasticsearch

- **Tower Touch.** An application which performs a thorough real time status checking of ericsson and huawei telecom tower sites.

➔ Designed architecture in collaboration with another team member. Lead a team of 3 members to develop modules regarding concurrency, real time progress update and command response parsing rules.
➔ Implemented various automated tools, services, and packages.
➔ Provided real-time updates of network status to vendors. Reduced SLA time by at least 90%

Technologies: Laravel, Vue.js, Jquery, PHPUnit, Mysql

● **Alarm Correlator.** A telegram bot based notification system which fetches system generated fault alarms periodically, correlates those alarms by time and region to find the 'hot spot' which helps doing the root cause analysis.
➔ Led a small team to perform requirement analysis, perform functional implementation and review.
➔ Performed R&D to optimize client's current workflow and it reduced ERT by at least 50%.

Technologies: Laravel, Vue.js, PHPUnit

● [**myRADAR**](). myRADAR is a leading GPS based vehicle tracking system which includes features like live tracking, trip history, destination alert, remote engine lock unlock, fuel monitor.
➔ Increased refuel detection event correctness by 50%.

Technologies: Laravel, Vue.js, Jquery, Vanilla js, MySQL

● **OSS User Automation.** A tool to automate a ui based user management system for a leading telecom service provider in Bangladesh.
➔ Designed architecture and Lead a team of 4 members to develop and ensure on time product delivery.

Technologies: Laravel, php-webdriver, chromedriver, geckodriver, PHPUnit

Education

Khulna University of Engineering & Technology   **Khulna, Bangladesh**
B.Sc in Computer Science and Engineering   April, 2014 - February, 2018

Additional Experience

● **SGIPC – Special Group of Interest in Programming Contest,** Conducted workshops on Introduction to C Programming (2015)
● **Mentor**, National High School Programming Contest (NHSPC) (2016, 2017) Khulna.
● **Program coordinator,** Workshop on "University-Industry Collaboration: Challenges and Opportunities 2017".

Reference

● **Dr. Sk. Mohammad Masudul Ahsan**
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Khulna University of Engineering & Technology (KUET)
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Website : www.kuet.ac.bd/cse/smmasudul/