Md Mosharaf Hossan

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H#43, R#14, Nikunja-2, Dhaka, Bangladesh

Professional Experience

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

Job responsibilities:

- Lead a small team ensuring productivity and growth of team members.
- Requirement Analysis
- Functional implementation (coding) and Functional review (testing)
- Develop and maintain internal packages (robi-equipment-inventory, laravel-mysql-partition, sigma-db-helper, sigma-package-linker, sigma-table, sigma-sheets).
- Bug fixing and provide quick support to client (if necessary)

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

- Functional implementation (coding)
- Performing R&D when required to incorporate with new technologies
- Requirement analysis from operations team.
- Bug fixing and give quick support to client (if necessary)

Skills

- **Languages:** PHP, JavaScript, HTML, CSS, SQL.
- **Frameworks:** Laravel, Vue.js, jQuery, PHPUnit, Tailwind CSS.
- **Version-Control:** Git
- **Tools:** Redis, Docker, Intellij, Vim, Clickup, Slack.
- **DBMS:** MySQL

Language Proficiency

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

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, VueJs, 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.
  - ➔ Built APIs, integrated payment gateway(Portwallet, Paypal), designed ui, and restructured frontend modules.

  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.
➔ Reduced human efforts by 90%.

Technologies: Laravel, Vuejs, Jquery, 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.
➔ Lead a team of 2 members to perform requirement analysis, perform functional implementation and review.
➔ Reduced ERT by at least 50%.

Technologies: Laravel, 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 efficiency by 50%. Performed R&D to improve data communication technique between IOT devices and server. It reduced packet size by 70%.

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

● **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

● **Mohammad Mostafizur Rahman**
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● **Dr. Sk. Mohammad Masudul Ahsan**
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