

Md Mosharaf Hossan

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Skills

- **Languages:** PHP, TypeScript, JavaScript, SQL
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud/DevOps:** AWS (EC2, S3, Lambda, RDS), Github Actions
- **Frameworks:** Laravel, Laminas, PHPUnit, Vue.js, Angular, Express.js, Jest
- **Tools:** Git, Redis, Docker, Docker Swarm, Kafka
- **Operating Systems:** Linux, MacOS

Professional Experience

Sigma Solutions

Senior Software Engineer

Ontario, Canada

January 2021 – April 2023

- Automated Service Operation Center monitoring for a telco with **56M+** subscribers to enable near real-time base station status updates and automated traffic fault detection of around **16K** nodes. **Reduced operational cost by \$10K per month.** Used Skills: Laminas, Livewire, Vue.js, MySQL, Python, Redis
- Spearheaded a WebDriver-based UI automation overhaul for telco node management portals, **slashing user management time by 50%.** Used Skills: Webdriver, Laminas, Vue.js, Redis, MySQL.
- Built RESTful APIs for Smartcomm, a **SaaS-based** omnichannel customer query management system. Used Skills: Laravel, Vue.js, Redis, PostgreSQL

Software Engineer

March 2019 – December 2020

- Developed RopeAccess, a customized operations management system with **CRM** and task management modules. Conducted requirement analysis, task distribution, functional implementation. *Used Skills: Laminas, Vue.js, MySQL, Redis, S3*
- Designed UI, integrated payment gateway, and developed RESTful APIs for Pixmama- a stock photo marketplace with **over 80K** photos. **Reduced response time by around 15%** using caching and indexing techniques. *Used Skills: Laminas, Angular, Express.js, MySQL, Elasticsearch, Redis, S3*

Hyper Systems

Software Engineer

Dhaka, Bangladesh

May 2018 – February 2019

- Built RESTful APIs for myRADAR, a real time GPS-based vehicle tracking system with 2K daily active devices. **Improved refuel detection efficiency by around 10%.** Used Skills: Laravel, Vue.js, MongoDB, Pusher

Education

Idaho State University

M.S. Computer Science

Idaho, United States

August 2023 – May 2025

Khulna University of Engineering & Technology

B.S. in Computer Science & Engineering

Khulna, Bangladesh

December 2013 – February 2018