

# Al Amin Ibne Mosaddeque Chayan

Principal Software Engineer (PHP/NodeJs/Go)

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Nationality: Bangladeshi

## ***Experienced Software Engineer Specializing in Microservices Architecture and High-Traffic Application Management.***

Highly analytical and results-driven Software Engineer with deep expertise in high-performance backend development across PHP, Node.js, and Go. Experienced in architecting scalable, microservices-based solutions that accommodate millions of users and high transaction volumes. Currently overseeing applications supporting 2 million daily active users (DAU) with a peak load of 4,000 transactions per second (TPS) and designing a new robust solution aimed at handling up to 20,000 TPS for applications with 6 million DAU and 21 million monthly active users (MAU). Adept at Kubernetes cluster management, cloud services (AWS, GCP), and advanced container orchestration to optimize performance and reliability under high traffic conditions. Proven leader with strong technical mentorship skills and a commitment to excellence in cross-functional collaborations.

## Technical Proficiencies

<b>Programming Languages:</b>	PHP, Javascript, NodeJs, Go, Python
<b>Cloud Services:</b>	Aws, GCP
<b>Databases:</b>	MYSQL, PostgreSQL, ES, Redis
<b>Frameworks:</b>	Laravel, CakePHP, Codeigniter, NestJs, AdonisJs, FastAPI
<b>AI Platform:</b>	Vertex AI
<b>Tools:</b>	Docker, Swagger, OpenTelemetry, ChatGPT, EFK

## Career Experience

### Protonics Ltd

Principal Software Engineer

Oct 2018 – Present

Lead a dynamic software engineering team of 50+ engineers, overseeing the design and implementation of complex, high-traffic applications. Act as a technical consultant on projects managed domestically and internationally, ensuring solutions align with best practices in scalability, microservices, and performance optimization.

- Designed and implemented architecture for a high-stakes MVP project (NDA) to support up to 20,000 TPS, incorporating Kubernetes orchestration and microservices to maintain fault tolerance and scalability for millions of concurrent users.
- Served as team lead in DTAC project with relative success and cost-effective deliverables. (<https://app.dtac.co.th/en/home>)
- Served as team lead in Telenor project with relative success and cost-effective deliverables. (<https://play.google.com/store/apps/details?id=mm.com.telenor.pos>)
- Managed large scale traffic project – MyGP, achieving optimal levels of personal performance. ([https://play.google.com/store/apps/details?id=com.portonics.mygp&hl=en\\_SG&gl=US](https://play.google.com/store/apps/details?id=com.portonics.mygp&hl=en_SG&gl=US))
- Served as technical lead for the launch of e-commerce platform shoparu.com, with presently overseeing progress.

### Barcodetech Automation

Senior Software Developer (Development Lead)

Aug 2016 – Oct 2018

Planned and executed multiple complex software engineering activities with constantly examining procedures to deliver best service delivery. Orchestrated robust software planning establishing strategic plans for future success. Established elaborate test plans together with testing software to verify all performance and functionality discrepancies with effectively initiating solutions. Assessed tools and software products with highlighting margin for improvement to optimize performance.

- Spearheaded development team for all new projects with clearly establishing performance objectives.
- Provide mentorship to development team evaluating personal strengths and weaknesses for specialized training.
- Executed architecture design of a government employee KPI management system achieving the highest standard of excellence. (<https://apams.cabinet.gov.bd/>)
- Revamped in-house garments development project strengthening overall business through the application of new software platforms.

## Solar System

Mar 2011 – Jul 2016

Senior Programmer (Team Lead)

Held progressive roles at Solar System, contributing to both small and large-scale web applications. Initially focused on dynamic web application development using Object-Oriented PHP, advancing to a leadership role where I led technical projects and mentored a team of developers.

- Delivered responsive/device-independent website development using HTML5 and CSS3 meeting all precise standards.
- Orchestrated architectural design for a tender site with successfully executing key variables. (<https://www.alltender.com/>)
- Designed compelling website layout/templates and On-Page Search Engine Optimization (SEO) with great success.
- Designed and executed multiple websites and projects controlling the quality of the most crucial variables contributing to the realization of organizational objectives.

## Additional Experience

**Asst. Programmer**, Solar System, Sep 2010 – Feb 2011

## Education

### Post-Graduate Diploma in ICT

Hajee Mohammad Danesh Science & Technology University, 2010

### Advanced Certificate for Management Professionals (ACMP) 4.0

Institute of Business Administration (IBA) – University of Dhaka, 2024

### Prompt Engineering

Vanderbilt University, 2024

## Licenses & Certifications

**Zend Certified Engineer**, Sep 2020

**Certified Laravel Developer**, Mar 2018

## Languages

**English**, Fluent