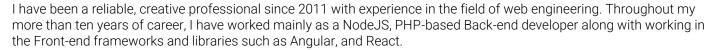# NAZMUL HASAN

CONTACT ME

176, Sarkar Mohol, Nayabari, Kawlar,
Dakshinkhan, Dhaka – 1229, Bangladesh
Cell: +880 1730 279 072

nazmul.phpdroidx@gmail.com
www.nhassan.me
github.com/nhasaan
linkedin.com/in/nhasaan

CAREER SUMMARY

I have been a reliable, creative professional since 2011 with experience in the field of web engineering. Throughout my more than ten years of career, I have worked mainly as a NodeJS, PHP-based Back-end developer along with working in the Front-end frameworks and libraries such as Angular, and React.

Currently, I am working with mainly NodeJS, TypeScript, NestJS, React, PHP, "Go Lang", MySQL, GraphQL, Mongo DB, Docker, Kubernetes, CI/CD, and also learning by doing Python, FastAPI, PostgreSQL, Machine Learning, DevOps, SaaS on microservice design patterns for multi-tenant, distributed systems.

WORK EXPERIENCE

- **April 2023 – Present**

  Principal Software Engineer at Astha IT Research & Consultancy Ltd. | Bangladesh
  - Tech stack - PHP, Laravel, NodeJS, JavaScript, TypeScript, 'Go Lang', Python, React, MongoDB, Docker, AWS
  - Worked on various **Banglalink** Services and APIs, mainly consumed by MyBL Mobile App
  - Architected and designed a scalable **Bonus Disbursement Service** (**RnE – Reward n Earn**).
  - Has an impact on over five million Banglalink customers.
  - Used NodeJS with NestJS, TypeScript, Cluster, MySQL with TypeORM, RabbitMQ, Linux Crontab, etc.
  - Automated containerization, and deployment through shell script
  - Architected designed and developed a scalable Banglalink **Identity Access Management Service** (**BL – IAM**)
  - Has a direct impact on over five million Banglalink customers
  - Used NodeJS with NestJS, TypeScript, Cluster, MySQL with TypeORM, RabbitMQ, Linux Crontab, etc.
  - Multi-tenant-based design and Public/Private key pair-based tenant authentication
  - Automated containerization, and deployment through the shell script
  - MyBL NEW CMS from scratch (PHP, Laravel, MySQL)
  - Backend API development using Laravel, MySQL
  - Frontend using React, Tailwind CSS
  - Automated containerization, and deployment through the shell script
  - Implemented bKash One Tap Pay external API in MyBL Payment Gateways - PGW/RGW
  - Developed a basic MyBL Wallet (Go Lang) – going on
  - MyBL Product Inventory (TS, NodeJS, NestJS, MongoDB, Tailwind CSS) – going on
  - Learning a lot about DevOps, Data Science, and AWS services through Udemy courses

- **September 2022 – February 2023**

  Senior Full-Stack Engineer at Apartments & Developments Ltd. | Australia
  - Tech stack - PHP, Laravel, NodeJS, JavaScript, TypeScript, React, MongoDB, Docker, AWS
  - Worked on so far four projects – "DevSuite Project" (PHP, Laravel, Firebase), "DevSuite Showcase" (NodeJS, React, TypeScript, Tailwind CSS), "DevSuite Remote" (NodeJS, React, TypeScript, Tailwind CSS)
  - Learned a lot about React and AWS services through Udemy courses

- January 2022 – August 2022

  Full-Stack Engineer at Bitstrapped Inc. | Canada
  - Tech stack - NodeJS, JavaScript, TypeScript, MongoDB, Python, PostgreSQL, Docker, Kubernetes Deployment, GCP services
  - Worked so far on three projects - Integral (NodeJS, VueJS, Firebase Auth, TypeScript based NestJS), "Canpath" (Big Query), TilR (Python, SQL Alchemy, PostgreSQL)
  - Learned a lot about GCP services and GCP services through Udemy courses

- June 2021 – May 2022

  Senior Software Engineer at "Strativ AB Ltd." | Dhaka, Bangladesh
  - Completed a yearlong AllezPadel game mobile app (built on react native)
  - Worked on requirement analysis, architect, leading the team, coding, developing features and fixing bugs, debugging and testing
  - Developed the web-based backend services and APIs for this AllezPadel game mobile app using TypeScript, NodeJS, NestJS, GraphQL, MongoDB, and RESTful APIs for the back-end service
  - Developed the web front admin panel including various dashboard reports and charts using Angular, TypeScript, and Apex chart

- August 2018 – May 2021

  Senior Software Engineer at SELISE Digital Platforms Ltd. | Dhaka, Bangladesh
  - Worked on a web-based Audio/Video player such as deep analysis of requirements, developed features and fixing bugs, debugging and testing for the web-based Audio/Video player with Pure JavaScript and AngularJS
  - Completed a yearlong "MyCareerGate" project using C#, NET core 2, micro-service technology, Angular, and TypeScript
  - GRUNT, Shell Script for seed data with shell script in MongoDB

- October 2017 – June 2018

  Senior Software Engineer at ECHO Sourcing (Pvt) Ltd. | Dhaka, Bangladesh
  - Analyzing A/B testing test plan, development, coding, and implementing the test plan for Optimizely, AB Tasty, Adobe Target, etc.
  - Design DB Structure, Coding, and Development of Time Tracker Project based on NodeJS, MongoDB

- January 2015 – July 2017

  Web Application Developer at ICT Euro Ltd. | Dhaka, Bangladesh
  - Requirement Analysis, DB structure design
  - Coding, debugging, and testing with Core PHP, CodeIgniter, JavaScript, jQuery, Ajax
  - Magento, Open cart to develop foreign projects with the custom module and complete rebuilding of a product pricing calculation with shipping.
  - Development of Shipping management software using CodeIgniter, MySQL, jQuery, and Ajax. It was from Inventory stock using product barcode after QA PL using a barcode, Supplier, and Customer PL using product barcode

- July 2014 – December 2014

  Web Application Developer at Impel IT Solutions. | Dhaka, Bangladesh

  - Coding, debugging, and testing with Python, Django, Django REST framework, Designing Rich Client side using AngularJS.
  - Here, I was dedicated to client-side front-end UI, UX design, JavaScript coding, and development of the services and ng modules, directives, etc.
  - For a big-scale project of hosted e-commerce solution

- November 2013 – May 2014

  Senior Software Engineer at KaritKarma Ltd. | Dhaka, Bangladesh

  - Worked on Bizness Resource Planner (BizRP), KaritKarma framework, Python, Flask framework, REST and RESTful web service API, etc.

- September 2012 – June 2013

  Web Developer at Gonona Technologies Ltd. | Dhaka, Bangladesh

  - All types of Web Engineering like PHP, MySQL coding, Joomla Template development from PSD layout, Joomla component, module and plugin development, customization, Virtue Mart customization, WP Theme and plugin development, customization, Web app CVTransformer dot com on CodeIgniter Framework.

- January 2011 – August 2012

  Web Programmer at The RS Software Ltd. | Dhaka, Bangladesh
  - Core PHP, MySQL coding, WordPress theme, plugin development, Joomla Template development from PSD layout, Joomla component, module and plugin development, Virtue Mart customization, CodeIgniter Framework, Open Cart, etc.

EDUCATION

- 2005 – 2009
  B.Sc. Undergraduate in Electrical and Electronic Engineering
  Presidency University,
  Gulshan, Dhaka, Bangladesh
  Courses: Digital Logic Design, Micro Processor Based System Design, Discrete Signal Processing, Digital Tele Communication, MATLAB, Fortran, C++, VLSI etc.
  CGPA – 2.95 out of 4.00

- 2003 – 2004
  Higher Secondary Certificate (Science)
  National Bank Public College,
  Bangla Motor, Dhaka, Bangladesh
  Subjects: Mathematics, Physics, Chemistry etc.
  CGPA – 3.60 out of 5.00

- 2001 – 2003
  Secondary School Certificate (Science)
  Civil Aviation High School,
  Kurmitola, Dhaka, Bangladesh
  Subjects: Mathematics, Physics, Chemistry etc.
  CGPA – 4.25 out of 5.00

PROFESSIONAL TRAINING

- 2020
  A certification for course completion in DevOps (From Docker to Kubernetes)
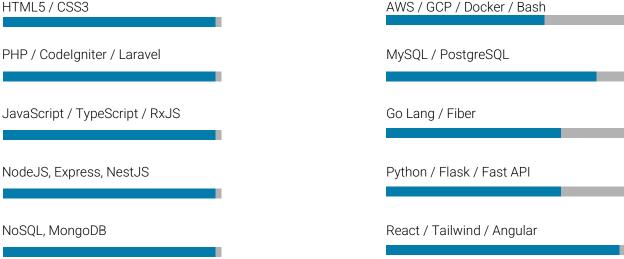 Tecognize Training

- 2011
  A certification for course completion on MCTS 70-515: ASP.NET 4 WEB DEVELOPMENT
  Continuing Education Center (CEC), AIUB

- Continuing - Udemy Courses
  DevOps, GoLang, AWS, GCP, Kubernetes, etc.
  Online Video Courses

Professional Skills

HTML5 / CSS3	AWS / GCP / Docker / Bash
PHP / CodeIgniter / Laravel	MySQL / PostgreSQL
JavaScript / TypeScript / RxJS	Go Lang / Fiber
NodeJS, Express, NestJS	Python / Flask / Fast API
NoSQL, MongoDB	React / Tailwind / Angular

FEW OF MY PROJECTS

1.   Project Name: JamAHook
Technology Used: Node JS, JavaScript, AngularJS, C#, Asp.net Core 2-based microservices, MongoDB, AWS, etc.

Project link: https://app.jamahook.com/

Technical Responsibility: Requirement Analysis, Coding, developing features and fixing bugs, debugging and testing for the web-based Audio/Video player with Pure JavaScript and AngularJS, RESTful Back-end microservice based Front-end for foreign clients' projects, GRUNT, Shell Script for seed data in MongoDB

Project Duration: Aug 2018-June 2019 (My Insolvents)

Short Description: JamAHook is a platform, especially for music developers that includes features such as sound-matching AI, right in your DAW. JamAHook analyzes your current DAW project and suggests new samples that complement your track. Find the perfect loop in a matter of seconds, and drag it right out into your DAW project at the right tempo.

2.   Project Name: AddExpert
Technology Used: Node JS, TypeScript, Angular 8, GraphQL, C#, Asp.net Core3-based microservices, MongoDB, AZURE, etc.

Technical Responsibility: Requirement Analysis, Coding, developing features and fixing bugs, debugging and testing for the web-based client with TypeScript and Angular8, RESTful Back-end micro service-based Front-end for foreign clients' projects, Shell Script for seed data in MongoDB.

Project Link: https://addexpert.selise.biz/

Project Duration: July 2019-October 2019 (My Insolvents)

Short Description: AddExpert is a platform for Personnel recruitment, personnel consulting, and career services for specialists and executives.

3.   Project Name: MyCareerGate
Technology Used: Node JS, TypeScript, Angular 8, GraphQL, C#, Asp.net Core3-based microservices, MongoDB, AZURE, etc.

Project Link: https://login.mycareergate.ch/

Project Duration: November 2019-Continuing

Technical Responsibility: Team Lead

Short Description: The idea of MyCareerGate arose from the experience of executive search services. Matching the most suitable candidate to demanding management functions, often paired with managerial responsibility, will be more demanding for companies in the future. MyCareerGate, therefore, takes precautions: the career preferences of the potential candidates are enriched in advance. The preferences are based on personal factors such as values and preferred competencies up to ideal employers. This aggregated forecast data combined with our services increase the fit and offer a high-added value for both companies and talents.

4. Project Name: AllezPadel (Table tennis-type padel game app)

Technology Used: Node JS, NestJS, TypeScript, Angular 10, React Native, MongoDB, AWS, etc.

Project Link: https://play.google.com/store/apps/developer?id=AllezPadel

Technical Responsibility: Team Lead

Short Description: Mainly three types of users - Admin, Developer, and Player. There are four types of games to be managed and socially sharable. One player can create, invite their friends, score, buy courts, and manage scoring in a quick game, single game, or leagues. Admins can also do the same for tournament-type games. There was also ranking based on the scores of individual players, push notifications, and in-app notifications using firebase and pusher consequently.