

Hasnaeen Ferdous Bin Hashem

Lead Blockchain (Web3) Architect

Address Cork, T12R295

Phone +353852772628

E-mail mhfnoyon@gmail.com

Twitter noyonthe1

LinkedIn <https://www.linkedin.com/in/hasnaeen/>

Have always been fascinated by technology as a way of expressing one's creativity and skills. Researching challenging stuff and finding cutting-edge tech is my contentment. Code and leadership are in my veins. Love to explore new things when I'm even bored. Self-motivated enough to build and transform anything from scratch. I'm very good at networking with people and can easily be friends with them. Traveling around the world and meeting people is my hobby. I'm a rational creative guy who loves his family most.

Numbers that define me:

11+ Years of Professional Experience in **9** different workplaces, architected and developed **5** large-scale applications on both public and private **blockchain**, submitted **a patent** on an innovation, owned and managed **2** startups, deployed **10** different production-grade cloud infrastructure, authored **2** academic research papers, fluent in **5+** actively used languages, explored **50+** development tools, explored **13+** operating systems, Finished **25+** successful projects with teams, always in the progress of learning new technologies, lived **3** different countries more than **years** and blended with local cultures, yet always thirsty to explore new technologies & cities around the world.



Skills

Architect & Team Leading	<div><div></div></div>	Excellent
Decentralized Technologies (<i>Public & Private Blockchain</i>)	<div><div></div></div>	Excellent
Web3 (<i>Solidity, web3js, Ethers, Smart-Contract, Wallet, Security Audit</i>)	<div><div></div></div>	Excellent
Cloud Infrastructure (<i>GCP, IBM Cloud, Azure, AWS, DO</i>)	<div><div></div></div>	Excellent
Automation	<div><div></div></div>	Excellent
Project Management	<div><div></div></div>	Very Good
Full Stack Development	<div><div></div></div>	Very Good
NodeJS / TypeScript / ReactJS	<div><div></div></div>	Very Good
Database (<i>SQL, TSQL & NoSQL</i>)	<div><div></div></div>	Very Good
OOP-based language (<i>C#, .netCore, Java</i>)	<div><div></div></div>	Good
Design and Documentations	<div><div></div></div>	Good
Consultation	<div><div></div></div>	Good



Work History

2021-02 -
Present

Lead Blockchain (Web3) Architect | Full-time/Onsite

NuArca Labs Ireland Limited, Cork, Ireland

- ◆ As Lead Blockchain Architect in NuArca Labs Ireland, my responsibilities are managing multiple teams as a tech lead, architecting new blockchain platforms, designing multiple web3 platforms, managing existing blockchain infrastructure, and so on.
- ◆ Collaborate with team members to achieve target results.
- ◆ Demonstrate respect, friendliness, and willingness to help wherever needed. Participate in continuous improvement by generating suggestions and engaging in problem-solving activities to support teamwork.
- ◆ Create plans and communicated deadlines to complete projects on time. Use coordination and planning skills to achieve results according to schedule.
- ◆ Use critical thinking to break down problems, evaluate solutions and make decisions.

2021-10 -
Present

Co-Founder & Sr. Advisor

Devotrix Inc, Khulna, Bangladesh.

- ◆ Managed web3 and web2 teams to formalize a DAO concept to develop & deliver the MVP
- ◆ Delivered NFT, Token economics, smart contract security, cloud infrastructure and production-grade API to handle DAO project creation to on-chain deployment and governing system management.
- ◆ Aligned organizational objectives with the company mission to increase business growth and integrate work strategies.
- ◆ Formed a senior leadership team through rigorous interviews and extensive candidate research.
- ◆ Recruited, interviewed, and hired new staff members and developed training materials for employees.
- ◆ Collaborated with stakeholders to verify delivery of desired quality requirements to distributors.

2021-11 -
2022-07

PM & Blockchain Infra Architect (Consultant)

CRASTONIC Inc, Tokyo, Japan

- ◆ Managed web3 and web2 teams to formalize a DAO concept to develop and deliver the MVP. Delivered NFT, Token economics, smart contract security, cloud infrastructure, and production-grade API to handle DAO project creation, on-chain deployment, and governing system management.
- ◆ Modeled management and organizational skills; multi-tasked and prioritized in a deadline-driven environment.
- ◆ Coordinated daily activity and flow of projects through multiple departments to verify on-time product delivery.
- ◆ Recruited and oversaw personnel to achieve performance and quality targets. Maintained open communication by presenting regular updates on project status to customers.

2021-01 -
2022-07

Principal Web3 Solution Architect (Consultant)

Wind (Avalon Tech Pte. Ltd.), Singapore

- ◆ Architected and led a DeFi-based team to build the initial MVP.
- ◆ Devoted to designing a non-custodial wallet for a borderless payment system.
- ◆ Led projects and analyzed data to identify opportunities for improvement.
- ◆ Used coordination and planning skills to achieve results according to schedule.
- ◆ Used critical thinking to break down problems, evaluate solutions and make decisions.

2018-05 -
2021-12

Blockchain RnD & Infrastructure Engineer | Full-time/Onsite

Startbahn Inc, Tokyo, Japan

- ◆ We build the "Art Blockchain Network", which is an infrastructure for art distribution and evaluation, and promote its introduction to companies and organizations inside and outside the art industry.
- ◆ We also manage startbahn.org, which utilizes Art Blockchain Network. While considering the traditional mechanisms of the art industry that rely on credibility and evaluation by individuals, we will work on problems in the art industry that can be solved by technology.
- ◆ Performed as Onshore Blockchain Research and Development Engineer in Public Blockchain
- ◆ Manage team to develop an art blockchain network (ABN) for the Ethereum blockchain.
- ◆ Responsible for architectural development for each product with ABN
- ◆ Research better implementation and guide the Development team to build smart contracts.
- ◆ Research on blockchain technology
- ◆ Involvement in designing products contributes to the discussion.
- ◆ Collaboration with backend engineers in the development of products.
- ◆ Worked on creating art x blockchain network for multi-organization certificate trading and validation.
- ◆ Design, deploy and manage the whole company infrastructure on GCP.

2018-06 -
2021-04

Blockchain Infrastructure Consultant | Part-time/Remote

NuArca LLC, Boston, USA

- ◆ Managed and supported Hyperledger fabric environment running into IBM cloud production for several clients.
- ◆ Utilized crisis management techniques to offer corrective solutions and maximize customer satisfaction.

2016-08 -
2018-05

Research & Development Specialist (Consultant)

Bangladesh University, Dhaka, Bangladesh

- ◆ Part-time consultant was responsible for experimenting and researching trending newborn technologies and serving as a development and deployment expert for the team.

2016-12 -
2018-05

Infrastructure Engineer | Full-time/Onsite

Orion Informatics Ltd, Dhaka, Bangladesh

- ◆ Fulfilled responsibilities with Research, Development, and Deployment of Private Blockchain technologies in the Hyperledger platform.
- ◆ Worked on managing production blockchain infrastructure in IBM cloud.

- 2015-01 - **Co-Founder & Consultant**
2019-01 *Rabbit's Hat Ltd, Dhaka, Bangladesh*
- ◆ With a close colleague, established Rabbit's Hat in 2015, a startup focused on technology and the facilitation of its surroundings.
 - ◆ Created a supremely organized software company for crafting 4th generation software and enabling online services locally & globally.
 - ◆ Was responsible for experimentation and research on trending newborn technologies. Worked as a development and deployment expert for the team.
 - ◆ Fosoler Hat Fosoler Math – A service for rural farmers enabling them to access the latest 4th generation cultivation methods via their mobile devices and also sell their crops directly into the market. This project owns a government innovation fund.
 - ◆ Amarchailawyer – Using tech for social good projects enabling underserved people to interact directly with lawyers, explain their problems, and get the necessary suppose.
 - ◆ Amarchaivenu – finding and booking local venues for a variety of purposes.
- 2014-05 - **Full Stack Software Engineer | Full-time/Remote**
2016-08 *Wolters Kluwer, Boston, USA*
- ◆ Offshore Software Developer of Wolters Kluwer Financial Services. Developed large-scale banking loan data import and analytics system with a .NET platform and cutting-edge JS, and UI tools.
- 2014-02 - **Software Developer | Full-time/Onsite**
2016-12 *Orion Informatics Ltd, Dhaka, Bangladesh*
- ◆ Started my career as a .NET developer and worked on various projects with several teams as a full-stack developer.
- 2013-11 - **Junior Software Developer | Full-time/Onsite**
2014-02 *Mobisys Infotech, Dhaka, Bangladesh*
- ◆ Worked as a developer of a 3rd party VAS provider for a leading mobile operator
 - ◆ Worked on server-side logging and monitoring system automation development in a Unix-based system.



Education

2015-02 -
2018-03

Master of Science: BIOINFORMATICS & ML

United International University - Dhaka, Bangladesh

Researched in Bioinformatics & ML. With major courses in Big Data, Machine Learning, Adv AI, Computational Linguistics, and recent trending subjects.

M.Sc. Eng. Thesis on

Subcellular Localization of Gram-Negative Bacteria Proteins Using Label Power-set Encoding.
(Published in *Proceedings of IEMIS 2018, Volume 1*)

2009-06 -
2013-08

Bachelor of Science: Computer Science and Engineering

United Internal University - Dhaka, Bangladesh

Researched in Machine Learning with a major in Computer networking and software engineering subjects.

B.Sc. Eng. Thesis on

Enhancing Performance of a Decision Tree by Reducing Training Instances using ML

2006-06 -
2008-07

HSC - HIGHER SECONDARY SCHOOL CERTIFICATE

Khulna Public Collage - Khulna, Bangladesh



Volunteer and Leadership experience

- ◆ Performed as Judge of the National Hackathon by ICT (Information and Communication Technology) Ministry of Bangladesh in 2016,
- ◆ Student Administrator of Microsoft DreamSpark in 2010-2014,
- ◆ Organizing Secretary of UIU (United International University) Computer Club in 2013,
- ◆ Team Lead of e-Sanitation Hackathon Team 2012 organized by UNICEF,
- ◆ Google Developer Group Volunteer 2010~2014,
- ◆ Organized Computer Networking Seminar and Cyber security awareness program at UIU (United International University) in 2013,
- ◆ Microsoft Windows Store Mobile Application Workshop 2014, App-a-Thon, Windows phone app contest,
- ◆ Undergrad Teaching Assistant on CCNA (Cisco Certified Network Associate)



Accomplishments

Selected Projects

- ◆ Created fan engagement NFT platform launching automation for hundreds of businesses. Specialized platforms for Music, Live Sports, and creative community where businesses or individuals can launch either crypto or non-crypto-enabled NFT sites quickly and effortlessly.
- ◆ Patenting a Multi signed wallet architecture with Meta transaction and gas-less transaction-enabled system.
- ◆ Created a One-click NFT platform - an NFT platform automation system, where NFT collections can be launched with a click of an API endpoint.
- ◆ Designed CREABO, an online creator economy based NFT DAO platform where fundraisers can launch their token economics and manage a product timeline with final output as an NFT.
- ◆ Launched Wind - A borderless payment platform that builds on top of the public blockchain with predictive investment suggestions and yield farming.
- ◆ Created Startbahn Cert, a mechanism for art certification into the Ethereum Blockchain network where the exhibition, auction houses, and contemporary artists can track the provenance of artwork and authenticate it through a public blockchain system.
- ◆ Other Work Products:
 - ◆ An online proxy voting system with blockchain technologies for American Stock Transfer. Large Data Importing with long-running process and analytics (WizEnterPrise) Building docker and containerize applications for NuArca.
 - ◆ Building horizontally scalable docker cloud with DC-OS over mesosphere and deploying events hub for high messaging queue application.
 - ◆ Holding Tax assessment and billing system of Khulna city corporation, Rupsha-KCC Smart
 - ◆ Incremental Deployment Automation for .NET application and SQL server backend.
 - ◆ University Admission Automation system.
 - ◆ Campus network design & implementation.



Objective

To pursue a highly challenging career in the IT industry and work closely with a team of highly experienced developers, product specialists, and business managers where my creative initiative, ideas, and genuine enthusiasm would allow me to progress and make me a better bleeding edges technology professional.



References

- ◆ JB Sloan – Chief product officer (CPO) at NuArca: jbsloan@gmail.com
- ◆ Shafqat Ahmed – Chief Technology officer (CTO) at Orion: ShafqatAhmed@gmail.com
- ◆ Mitsuhiro Matsumoto – Project Manager(PM) at Startbahn: mitsumatsumo1124@gmail.com
- ◆ Dr. Swakkhar Shatabda – Professor & Director at IQAC, UIU: swakkhar17@gmail.com