

Sudip Ghimire | Blockchain Developer

Location: Pokhara, Nepal

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Objective

I am a blockchain developer from Pokhara, Nepal. With willingness to work hard, dedication and continuous learning, I aspire to be a well-established software engineer to make a real-life impact in the tech industry. Currently, focusing on bringing the revolution promised by web3 and blockchain technology closer to reality. With proven work ethics and industry knowledge I might be your ideal candidate to make your tech idea a reality.

Highlights of major technical skills

- [Rust Programming language](#)
- [Blockchain Development](#)
- [Linux system](#)
- [Git](#)
- [C++ Programming](#)
- [Polkadot Network](#)
- [Substrate](#)
- Software Development
- Backend Development
- Web Development
- FOSS contribution, discussion and maintenance


Experience

Blockchain Developer — MatchX GmbH

July 2022 — present

[MatchX.io](#) develops a wide range of products. From our world famous superior M2 Pro Miner, operating on the Blockchain, right through to industrial Gateways, development kits and sensor core chips. Founded by the same team behind [MXC](#), MXC and MatchX are very closely couples and are being run nearly as a single unit.

Working as a blockchain developer, my responsibility includes but is not limited to building new blockchain products, maintaining current one.


Started with project [Data Highway](#)  a polkadot parachain. My primary tech stack includes Rust programming language, git VCS, WASM toolkit, substrate framework, websockets and other tools as per needed. As a part of the development process and as per standard of organisation, I am also using common tools like Linux, AWS cloud, github, jira, gitlab etc.

Apart from concrete technical skills, strong written and spoken English communication skill, team cooperation & communication, understanding current state of project as well as future roadmap and task planning etc. are the skills I am expected to exercise extensively. Summary of what I am doing:

- Upgraded running mainnet node to more recent version standards
- Document open-source node repository for better third-party developer experience
- Tweak and organise node metadata to improve overall performance of parachain
- Remain as active support to outside developer building associated with our blockchain node
- Add new functionality to Data highway project

Freelance Backend Developer — Felix works

April 2022 — June 2022

[Felix works](#)  is a Netherlands based software company intending to make finding and scheduling hospitality workers easier with real-time data showcases.

Being a backend developer, I was responsible to maintain the current codebase, add unit tests, re-structure project layout and incorporate end-user feedback. Migration of postgresql based backend service to event sourced microservice and adding endpoints in existing production backend was few other tasks I deliberately carried out. Throughout my working contract with Felix works, I was extensively making use of technical tools namely, python programming language, linux operating system, bash scripting language and rust programming language. In addition, being able to present changes to a non-technical team, document everything while bringing changes in production

environment, accounting security concerns etc. were the requirements I delivered.

Summary of what I did at Felix works:

- Migrated postgresql based backend to improved event sourced microservice architecture
- Add more endpoint to extend production level features of product
- Incorporate with front end team to discuss new feature and layout addition or removal of deprecated one
- Collect requirements and planning from upstream management team on how to place future development
- Analyse current codebase and report possible security threats


Rust/ Blockchain Developer — iBriz.ai

Based in the United States, [iBriz.ai](#)  is bridging knowledge, service and individuals with blockchain technology and fintech.

During my working period in iBriz.ai, I initiated development of Snow & Ice blockchain product. I was responsible to build, make project specific technical decisions and plan the development of the project itself. In the process, I made extensive use of my knowledge in Rust programming language, git VCS, WASM specification & toolkits, substrate framework, bash and other tools as needed.

Also being part of running bootcamps, virtual training sessions and assessing new hires in company, I believe to have excellently showcased my ability to communicate, understanding end-user requirements and task planning.

Summary of my responsibility and tasks:

- Initiate development of [Ice Network](#)  from scratch
- Collaborate with partner organisation's developers and sync technical changes
- Configure, test and document open-sourced node repository
- Perform heavy research on how to leverage and optimise blockchain node for better performance
- Report, Document and fix possible vulnerability

Fulltime:
Dec 2021 — April 2022
Part-time:
April 2022 — July 2022

- Conduct internal [bootcamp on usage of Rust programming language](#) 

Freelance Web Developer & Open source contributor

October 2019 - November 2021

Gaining experience as a web developer from my first internship, I continued as a freelancer doing private temporary projects of various companies as well as being an active contributor in the FOSS (Free and Open Source Software) Movement.

As a web developer, I exercised with front-end web development and written partial implementation of project backend. Creating websites theme, hosting websites were the primary services I offered as a freelancer. Besides freelancing I have been an active contributor for open source projects. Re-licensing, Raising issues, code reviews and code commits are the major things I did as Contributor.

Sample projects (please refer to [my github profile](#)  for more exhaustive list):

- <https://primordial-shop.netlify.app/>
- <https://bibash-music.netlify.app>
- <https://github.com/sudipghimire533/ytui-music>
- <https://github.com/sudipghimire533/zola-portfolio>
- [Substrate project contribution](#)
- <https://github.com/sudipghimire533/chatbox>
- <https://gitlab.com/sudipghimire533/sudipg.com.np>
- <https://github.com/sudipghimire533/sudipApp>
- https://github.com/sudipghimire533/website_ripper
- [Github contribution summary](#)

Intern Web Developer— Codesastra

April 2019 - July 2019

Operating from Pokhara, [Codesastra is](#) an end-to-end technology solution as a service company with the motto of turning ideas into reality.

As an intern, my primary task was to get familiar in a result oriented environment. I was assigned the task of developing certain parts of a

project, thoroughly testing them and mainly keeping documentation of projects to be submitted to clients. As assigned by a senior member, I would often do web page design, testing the final product and making reusable utility backend components. Throughout my internship period in Codesastra, I was learning and using tools like PHP programming language, HTML, Css and JQuery library.



Summary of my learning task completed:

- Requirement collection on future project of company
- Design modular and reusable independent small backend functionality
- Test and report feedback of final product before delivering to client
- Collect and design initial project web frontend
- Report, Document and validate in-house learnt skill to seniors

Education

Shree Tribhuvan Shanti Model School — Higher Secondary
degree

General Science

- Faculty: Science with Maths Major
- Duration: 2 years on yearly basis
- Joined on: Mid-2019 (Nepali academic year for 2076 BS)
- Graduated on: 2021
- Graduation certificate: [NEB & HSEB](#)  certified SLC
- Grades Secured: 3.29 out of 4.0
- Certification (more upon request): [Certification of Completion](#) 
- Relevant Subjects and majors:

First Year

- Maths
- English
- Biology
- Physics
- Chemistry

Second Year

- Maths
- English
- Nepali
- Physics
- Chemistry

Shree Brahma Rupa Secondary School — High School Degree

- Institute: Shree Brahma Rupa Secondary School
- Faculty: Computer Engineering, Vocational Stream
- Duration: 2 years
- Joined on: Mid-2017 (Nepali academic year for 2073 BS)
- Course duration: 2 years on yearly basis
- Graduated on: June 2019 (end of 2075 BS)
- Graduation certificate: [NEB](#) & [MOE](#) certified SEE
- Grades secured: 3.60
- Certification (more upon request): [GradeSheet](#)
- Relevant Subjects and majors:

Vocational Course on Computer Engineering

First Year

- Maths
- English
- Nepali
- Science
- Extra maths
- Engineering Drawing
- C programming
- Intro to web development
- Fundamental of digital system
- Electrical system

Second Year

- Maths
- English
- Nepali
- Science
- Extra maths
- C++ programming
- Database management system
- Computer Network
- Computer repair and maintenance
- Microprocessor
- Electronics devices and circuits

Additional Certificates & Achievements:

* PTE Academic (English Proficiency):

<https://me.sudipg.com.np/documents/copies/pearson-pte-english-proficiency.png>



* Saylor.org - Bitcoin for Developers:

<https://certificates.saylor.org/6ec0fc17-e69c-449a-af9e-c6becbc4ae9d>

* Saylor.org - C++ Programming:

<https://certificates.saylor.org/6b74c9bf-a626-45e9-a0e5-df853407df5b> 

Declaration

I hereby declare and confirm that, every information provided in this document is truthful, official and personally verified. If you have any query, please feel free to contact me. Additionally, In order to get reference of documents mentioned please refer to: <https://me.sudipg.com.np/documents/copies>  and if you need further verification & documents or you have any query please feel free to contact me on email/phone mentioned previously.. You can also visit: <https://me.sudipg.com.np/documents/copies/cv.html>  to get the recent version of this document to stay updated even after this document has been submitted.

- Sudip Ghimire