

# Sudip Ghimire | Software Developer

Location: Berlin, Germany

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## Objective

I am a blockchain developer residing currently in Berlin, Germany. 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 online encryption and email 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

- Typescript Programming language 
- Java Programming language 
- Rust Programming language 
- Software Testing 
- Blockchain Development 
- Linux system 
- Git 
- C++ Programming 
- Software Development
- Backend Development
- Web Development
- FOSS contribution, discussion and maintenance

## Professional & Educational Timeline

**Senior ( Sr. ) Blockchain Developer — Deeplnk-Ventures**

September 2023



Responsibilities:


- Extend substrate-based modules
- Write, deploy and design ink! Smart contract and interface
- Monitor and analyse the update from upstream product

- Security in all aspects of blockchain development. I conducted thorough code reviews, implemented security best practices, and utilised auditing tools to minimise the risk of potential vulnerabilities.
- Acquire a comprehensive understanding of various consensus mechanisms like Proof-of-Work (PoW), Proof-of-Stake (PoS), or Delegated Proof-of-Stake (DPoS). I applied this knowledge to select the most suitable consensus mechanism based on project requirements.
- Integrate blockchain technology into existing systems and applications. By leveraging blockchain's decentralised nature, I contributed to enhancing data security, transparency, and traceability in different business processes.

#### **Blockchain Developer — MatchX GmbH**

July 2022 — August 2023

[MatchX.io](https://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](https://mxc.io) , 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](https://datahighway.io)  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:

- Inspect, upgrade and maintain running substrate node
- Work with NFT related pallets re-using and development
- Add crowdloan , staking and currency inflation logic in chain

- Remain as active support to outside developer building associated with our blockchain node
- Outline backend service to interact with chain

April 2022 — June 2022

### Freelance Backend Developer — Felix works

[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.

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

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

**Freelance Web developer** — Primordial Shop

July 2019 - November  
2019


Based in Sydney, Australia, on a contract personally signed by a client, I developed a personally owned business site for a primordial [shop](#).

Responsibilities includes:

- Develop front-end and backend for the online shopping website
- Handle netlify domain management and deployment of site
- Provide custom made data entry system to add and remove items from shopping listed items list
- Deliver basic SEO reporting of site and social media handling

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](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

**Arden University — Bachelors**

**Bsc. (Hons) Computing**



- Faculty: Bachelors (Hons) in Computing
- Expected Duration: 3 years
- Joined on: November-2023
- Graduated on: NOT GRADUATED
- Relevant Subjects and majors:

### First Year

- Academic Skills and professional Development
- Networking & Computer Security
- Database Management System
- Web Development
- Programming

**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:

#### First Year

- Maths
- English
- Nepali
- Science
- Extra maths
- Engineering Drawing
- C programming
- Intro to web

#### Second Year

- Maths
- English
- Nepali
- Science
- Extra maths
- C++ programming
- Database management system

### **Vocational Course on Computer Engineering**

- development
- Fundamental of digital system
- Electrical 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> 

\* Speexx English Certificate

<https://me.sudipg.com.np/documents/copies/speexx-certificate.pdf> 

\* 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> 

\* Saylor.org - Introduction to Java and Object Oriented Programming:

[https://learn.saylor.org/pluginfile.php/1/tool\\_certificate/issues/1717803176/1809889846SG.pdf](https://learn.saylor.org/pluginfile.php/1/tool_certificate/issues/1717803176/1809889846SG.pdf) 

## 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.

- Sudip Ghimire