

Rupan Chaulagain

Full stack software developer with over 6 years of experience in impactful projects specializing in web application development, and efficient CI/CD pipelines

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EXPERIENCE

Sireto Tech, Buddhanagar — *Senior software developer*

April 2022 - PRESENT

- Developed and launched PDF Editor used by 100's of municipalities in the Netherlands, enabling seamless PDF manipulation, annotation and conversion , reducing handling time up to 40% .
- Developed a custom permissions feature with role-based access, supporting over 5 roles and reducing unauthorized document access incidents over 80%
- Enhanced CI/CD pipeline efficiency, reducing build & deployment time to under 10 seconds through streamlined configurations & optimized resource allocation
- Guided 2 interns develop feature on existing codebases and 2 juniors
- Achieved a code coverage of 90% by implementing automated testing and code review practices, leading to 30% fewer deployment bugs

Sireto Tech, Sanepa — *Associate software developer*

April 2020 - April 2022

- Used caching to plot Cardano pool locations, cutting map load time to under 1 second.
- Streamlined SQL query to retrieve net amount per individual in Cardano, cutting execution time from 20 seconds to 5 seconds
- Integrated Document AI feature into Spring Boot, deployed successfully within an hour of initial request
- Collaborated with 2 clients to gather feedback and prioritize feature enhancements, leading to a 40% improvement in user satisfaction scores.

Sireto Tech, Sanepa — *Apprenticeship*

JAN 2020 - FEB 2020

- Learned and implemented dynamic map using d3 within 2 days enhanced with animations while navigating to different countries
- Assisted senior developer in debugging and troubleshooting, resolving

SKILLS

Javascript(ES6+), React.js, Next.js,PDF.js, SpringBoot 3, Openfga, Keycloak, Fastapi, Document AI, d3.js, Postgresql, Docker, Docker compose, Github Actions,TUS, uppy, Gitlab CI, mySQL, IndexedDB, MongoDB

LANGUAGES

Nepali - Native

English - Proficient

over 25 bugs and improving the stability of the project Delegation Tracker

– Adhered to coding standards and best practices, maintaining a code quality score of 80% as measured by SonarQube.

EDUCATION

**Institute of Engineering – Thapathali Campus, Thapathali —
*Electronics & communication Engineering***

2016 - 2021

Capital Higher Secondary school, Balkumari— *Science*

2014 - 2016

PROJECTS

Bettercollected — *Privacy friendly form builder for conscious companies*

Stack: Fastapi, MongoDB, Nextjs, S3, Typescript

Anonymize-pro – *feature-rich webapplication that allows users to create, edit, annotate, anonymize and manage PDF Documents*

Stack: Spring boot, Nextjs, Openfga, Keycloak, S3, postgresql, Typescript

Cardano-Mempool – *Monitor and analyze the cardano blockchain's mempool*

Stack: Node.js, Nextjs, postgresql, Typescript

Intrusion detection system in IoT network – *Network layer and application layer intrusion detection using machine learning*

Stack: Docker, Nginx, Jupyter notebook, Python

Blockchain wallet using SRAM PUF – *non-clonable cryptocurrency wallet to store private keys and validate wallet functions like transaction signing and verification*

Stack: React native, Arduino IDE, C programming