

Ruman Dangol

Senior Software Engineer

Friendly software engineer with 5 years of experience and proven cloud and security skills. Seeking to deliver robust solutions. At Fusemachines, I worked as a team member that received the best in-house project of 2019. An enthusiastic team player and deep creative thinker.

WORK EXPERIENCE

Senior Software Engineer

Fusemachines, Nepal (01/2021 - Present)

Tasks/Responsibilities

- Full-Stack Developer at client project
- Team lead at client project leading 10 members in a project
- Use of React.JS, Python and AWS for client project

Software Engineer

Fusemachines, Nepal (01/2020 - 01/2021)

Tasks/Responsibilities

- Assigned to Rubicon project, which is a chat bot system.
- Use of Kubernetes Secret, Velero, Scaffold in Codehub.

Software Engineer Associate

Fusemachines, Nepal (01/2019 - 12/2019)

Tasks/Responsibilities

- Assigned to the Codehub project, where students are able to run python programs for learning AI on our own platform.
- Customization of JupyterHub and Jupyter Notebook with the uses of tornado framework, Backbone.js, JQuery, Vanilla Js.
- Deployment of project with kubernetes on GCP platform with uses of Docker.

Software Engineer Associate Trainee

Fusemachines, Nepal (06/2018 - 12/2018)

Tasks/Responsibilities

- Assigned to the fuse.ai project, where students have a platform to learn AI.
- Taken ML intern training program (project completed: HandRecognition OCR).
- Learned DevOps tools like AWS, Docker.

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Khokana, Lalitpur, Nepal

SKILLS

- Adaptability, Agile processes, Excellent communication skills
- JAVA, Spring, Spring Boot, SQL Server, No SQL, Django, Flask, Rasa, Laravel, JavaScript, React.JS, TypeScript, Redux, HTML, CSS, SASS, Bootstrap
- Status tracking tools (Jira), Strong Collaboration skills

EDUCATION

Master in Computer Engineering

Nepal College of Information Technology (2021 - Present)

Bachelor of Software Engineering

Nepal College of Information Technology (2014 - 2019)

Projects

- A data visualization platform for crime reports and prediction of crime through different machine learning algorithms as well as comparison of different models with accuracy
- A Web Platform to share large files (25 GB) within a group or friends.
- An Android card game (Teen Patti)

PROJECTS

Dionysus (10/2022)

- Team lead at Dionysus, a web and mobile application for tracking the mental health through social media

Epistemic (01/2021 - 09/2022)

- Full-Stack Developer at Epistemic, a web platform to research or read published paper
- Automation of data retrieval with python or bash scripts

Freelancer

Sciever Inc., Nepal (01/2019 - 01/2020)

Tasks/Responsibilities

- Led a team of 3 programmers handling end-to-end software development life cycle for 2 client projects.
- Worked on multiple software projects simultaneously and participated in the whole software development process from design to implementation and delivery.
- Collaborated with peers on the improvement of software performance and performed error analysis; installed and maintained multiple server software.

Python Instructor

Metahorizon Nepal (08/2023 - 11/2023)

Tasks/Responsibilities

- Conducting high-quality training sessions
- Developing and updating course materials and curriculum to align with industry standards and trends in Python development

EVENTS PARTICIPATION

AWS Associate Program (**Present**)

Use of AWS Services and manage the infrastructure

Everest Hackathon (06/2019)

Active among 300 participants in Everest Hackathon, Nepal biggest hackathon program

INTERESTS

Web development, Data Visualization, Devops, Travelling

.Codehub (03/2019 - 04/2020)

- Full-Stack developer at codehub, a web platform to code python programming.
- Customization of Jupyterhub and Jupyter Notebook at both the frontend and backend.
- Customization of Nbgrader, which is an extension of jupyter notebooks to generate scores of assignments.
- Implementation of an automated full back up system in kubernetes.

Fuse AI (03/2019 - 04/2020)

- Backend developer for Fuse AI, a web based school management system
- Built-in features to conduct online examinations and quizzes across different courses and semesters, with options to grade.
- Create an api to track students progress and show progress of students.

HR Portal (02/2018 - 11/2019)

- Managed a team of 6 developers to build a platform to keep records of employees, their skills, and assigned projects to improve visibility for the HR department.
- Lead backend developer for a team of 6 developers.

Flavorlens (09/2018 - 02/2019)

- A mobile application to post foods and describe the ingredients used through machine learning
- Contribution to an ongoing research project led by professor in Japan