Avaya Kumar Baniya

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Curious and motivated Software Developer with 4 years of hands-on experience designing and developing large and small scale applications. Well-versed in multiple coding languages and software design patterns and highly enthusiastic about research regarding software development and technology as a whole.

EDUCATION

Old Dominion University, Norfolk, USA —*M.S in Computing*

August 2023 - Present

Islington College, Nepal — *B.Sc. (Hons) in Computing*

Affiliated with London Metropolitan University

October 2016 - October 2019

EXPERIENCE

Silk Innovation , Lalitpur, Nepal — *Head of Software Development*

February 2021 - July 2023

- Led the software architecture design and development of multiple online wallet systems ([SajiloPay](), [Icash]()) which comprised of api development, system administration portal development, while communicating with various service providers to integrate their services into our system

- Implemented and managed the conversion of an in-production monolith application into multiple microservices, using HTTP and message brokers to communicate between them inside docker containers

- Mentored new software developers and interns regarding the development process of the company, while assigning and assisting them with their tasks

- Provide technical customer support to clients

- Development of domain specific packages using laravel and spring boot: "[contact-mail]()" that can send contact us emails from a website to multiple emails and "[compare-microservice-and-vendor]()" that preconfigures the boilerplate code with the feature to check transaction status between vendor through api and microservice through database

- Managed the full lifecycle of software development, from planning to deployment and maintenance, while participating in code review meetings, identifying bugs, inefficiencies and potential solutions to emergent issues

Silk Innovation , Lalitpur, Nepal— *Software Developer*

October 2019 - January 2021

- Developed and managed website updates using laravel, javascript and django to align with customer needs
- Presented project updates to customers to gather feedback and assess satisfaction
- Enhance performance and add new features to existing software systems

LANGUAGES

Java, python, php, JavaScript, MySQL, C / C++

SKILLS

Git, Spring Boot, Laravel, Django, React, Express, Node.js, Android Studio, Jupyter, docker, RDMS, Object-Oriented Software Design, Agile Methodologies, CI/CD, Web Development, Api development, GitHub, GitLab, Jira project management

TOP SIDE PROJECTS

Water Tester App – *Full Stack Engineer*

- Build a prototype android application using java that could scan a special type of litmus paper to estimate water purity using k-nearest neighbors machine learning algorithm. The app won the 'Code for a Cause Impact Prize' on Nepal Hackathon 2018 organized by AngleHack

Job Portal – *Full Stack Engineer*

- Used Laravel, JavaScript, and Mysql to build a multi vendor job portal web application.
- Integrated real time notification feature using Socket.IO and javascript.

Job classification with AI

- Employed a variety of classification algorithms to classify new job postings based on their descriptions and categorize them to the class or industry that each job post belongs to.