Rajan Khadka

Software Engineer

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in @ https://www.linkedin.com/in/rajan-khadka-33bb62b9/   ○ @ https://github.com/rajankhadka?tab=repositories

An independent, focused quick learner and self-motivated graduate passionate to build innovative products and solving problems.

EXPERIENCE

Software Engineer   Lalitpur

InfoDevelopers Pvt. Ltd.   Jun, 2021 - Present

Online Banking Portal - Digitization KYC and Account Creation

- Handling internal users(admin/system user) and customer
- Role-module-privileges based authorization
- Dynamic validation based on CBS response and Form Validation
- SOLID-principle implementation
- Mail Sender service with Dynamic Template, Notification System
- Password encryption and hashing, Preventing Brute Force attacks on OTP and Password
- Database migration on the different environments (i.e. Development, UAT, and Production)
- Containerization of applications
- Tech Skills: Typescript/Nestjs, Socketio, Postgres

Hulaki Application - Centralized Service Distributor

- Message Broker, queuing System
- Maintaining logs files
- Tech Skills: Typescript/Nestjs, Rabbitmq, Mongodb

EDUCATION

SLC   surkhet

Surkhet Horizon Academy   Apr, 1999 - Jul, 2011

10+2   surkhet

Surkhet Horizon Academy   May, 2012 - Apr, 2013

Bachelor in Engineering, Computer   kathmandu

Kantipur Enginnering College   Nov, 2015 - Apr, 2020

PROJECTS

SocialE - A Phishing Simulation and Awareness System.

- Implementation of Dynamic Template Creation, Two Factor(2FA) authentication, Role-module-privilege authorization, Tacking of user activity, Acknowledgment of phi-sing activity by sending through email or SMS based on setting to change their credential.
- Tech Skills: HTML/CSS/Javascript, React/Redux

https://github.com/rajankhadka/SocialE.git

Chat App

- Allow user to communicate privately as well as can create groups to send message between friends, add friends to the group, and also make messages persistent for later users
- Tech Skills: TypeScript/Express, Postgres, SocketIo

Burgernaut

- Create a Dynamic Build Layout according to user-selected items.
- Create a Draft, calculate the price according to items, and display all the records.
- Tech Skills: Javascript/React

https://github.com/rajankhadka/burger-app.git

ACHIEVEMENTS

Steganography

- Implemented the Least Significant Bit(LSB) method to hide information on any media file using data Encryption/Decryption such as an Asymmetric key(i.e. RSA algorithm).
- Tech Skills: JavaScript.

Road Accident Severity Predication By Using Back-Propagation(Major Project)

- Used Back-Propagation Algorithm for Neural Network to calculate the weight of each neuron which helps to get a future predicated result.
- Tech Skills: Python.

Click2Career

- Mentoring Javascript/Nodejs to students as well as problem-solving at info developers

SKILLS

HTML / CSS, C / C++ / Python, Git / Docker, Javascript / Typescript, NodeJs / ReactJs, Express / Nestjs, PostgreSQL / MongoDB