Suprince Shakya
Software Engineer

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Summary

Passionate Software Engineer with 8+ years of experience designing and developing web and mobile applications. Proven ability to tackle complex problems using up-to-date technologies and best practices. Skilled in Agile methodologies, effective sprint planning, and team leadership.

Professional Experience

Full Stack Developer **Sanepa, Lalitpur**

Swivt Technology Pvt. Ltd **2023 – 2024**

- Lead and contribute to the full stack development of web and mobile applications for clients of projects named Perficient and Swivt Education.
- Successfully designed, developed, and deployed complex applications according to client requirements and project timelines.
- Lead a team of developers, providing guidance, motivation, and task assignments to ensure project success.
- Utilized Agile methodologies and best practices for efficient and iterative development.
- Technologies**:** Nestjs and Mongodb for backend, React and Nextjs for frontend.

Software Engineer **Gusingal, Lalitpur**

Gurzu Inc **2021 - 2023**

- Designed and developed robust backend systems utilizing AWS services (e.g., [EC2, Lambda, Dynamodb,RDS, S3, SES, Cloudwatch]), ensuring high performance and scalability.
- Developed custom applications for Shopify merchants, integrating with the Shopify platform to enhance their online stores.
- Project Names: Silicon fitness app and Wolo.
- Technologies: Nestjs, Mongodb for backend and React for frontend.

Freelance Web / Mobile Developer **2019 - 2021**

- Independently developed and delivered a wide range of web and mobile applications for diverse clients.
- Specialized in building robust and user-friendly e-commerce websites, mobile applications, and backend systems.
- Developed an ecommerce platform for a local vendor named Switchback Nepal.
- Developed a mobile application for NGO called World education.
- Technologies: Express, MySQL for backend, react for frontend and react native for Mobile app.
- Highlights: Developed strong project management, communication, and client interaction skills.

Software Programmer **Sanepa, Jhamsikhel**

Real Time Solutions **2016 - 2019**

- Designed and developed a scalable and high-performance backend system using Node.js and microservices architecture to handle a high volume of requests from IoT devices.
- Developed and deployed IoT device nodes using Raspberry Pi, integrating them seamlessly with the backend system.
- Optimized DB pool connection with queue and cache and reduced messages latency.
- Technologies: Express, Postgres, Mosquito broker with MQTT protocol, Redis and Docker.

Skills

Programming Languages

Javascript and python

Frameworks

Front-End Frameworks: React, Nextjs
Back-End Frameworks: Nodejs(Express, Nestjs, Adonisjs), Python(flask)
Databases: Postgres, MongoDB, Mysql
Cloud Services: AWS Services (Ec2,dynamodb,SES,S3,Route53,Lambda)

Tools and Techniques

APIs & Communication: REST, Socket.IO
Message Queues: RabbitMQ, Mosquitto
API Development & Testing: Swagger, Postman
Project Management & Collaboration: Jira, GitHub/GitLab, Trello, Clickup
Deployment & Infrastructure: Docker, Nginx, CI/CD
Database Design: DBSchema, DbDesigner,
Monitoring: Sentry, Cloudwatch

Education

- **B.C.E. (Bachelor of Computer Engineering)** | Himalaya College | Lalitpur | 2012 - 2016
- **+2 (Intermediate)** | Omega College | Lalitpur | 2010 – 2012

Languages

- English (Fluent)
- Nepali (Native/Fluent)
- Hindi (Conversable)
- Newari (Native/Fluent)

Projects

1. Perficient Insurance Claim Platform (https://perficient.goswivt.com/)

- **Description:** Developed a user-friendly web and mobile application platform that streamlines the insurance claim process for customers. The platform facilitates easy claim submission, connects users with consultants for further communication, and provides a seamless experience.
- **Role:** Team Lead (Backend Development) - Led a team of developers, assigned tasks, and ensured project success. Developed RESTful APIs for data exchange and integrated them with the frontend.
- **Technologies:** Backend: Express.js, MongoDB; Frontend: Next.js; Mobile: React Native

2. Wheelbees - Social Media App for Car Enthusiasts (https://wheelbees.com/)

- **Description:** Built a license plate-based social media mobile application for car enthusiasts. Users can create accounts, upload car details, connect with other users, comment on car profiles, and organize events. The platform offers a premium model with features like adding multiple cars, unique profile stickers, and an ad-free experience.
- **Role:** Backend Developer - Focused on API development and handled most backend tasks, including sending emails, managing subscriptions, building email templates, and more.
- **Technologies:** Backend: Adonis.js; Database: AWS RDS; Storage: AWS S3; Email: AWS SES; Cache: Redis

3. WOLO - Social Media App with Daily Photo Sharing (https://woloport.com/)

- **Description:** Developed a social media mobile application similar to Instagram, but with a unique twist: users can only upload one photo per day. They can view other users' public pictures, comment, react, and report them. A subscription package allows users to create multiple WOLO posts.
- **Role:** Backend Developer - Focused on API development and implemented in-app purchase functionalities.
- **Technologies:** Backend: Express.js; Database: AWS RDS; Storage: AWS S3; Email: AWS SES; Cache: Redis

4. Custom App for Shopify Merchants (https://flagship.cc/)

- **Description:** Built custom applications for a Shopify merchant according to their specific requirements. This project demonstrates the ability to cater to diverse client needs within the Shopify ecosystem.
- **Role:** Backend Developer - Developed the custom app using the Nest.js framework.
- **Technologies:** Backend: Nest.js; Frontend: React.js; Database: MongoDB; Messaging: AWS SQS, SNS; Integrations: Shopify APIs

5. Inventory Management System for Multi-Vendors (https://inventory.suprinceshakya.com.np/)

- **Description:** Developed a multi-vendor inventory management system that allows store owners to track their product inventory, sales, and orders. The system provides a comprehensive dashboard with charts for data visualization.
- **Role:** Backend Developer - Built the backend with an interactive admin panel for efficient inventory management.
- **Technologies:** Frontend: React.js; Backend: Node.js (Express)

6. Silicon Fitness App with NFT Payment Integration (https://oneos.com/)

- **Description:** Developed the backend API for a fitness mobile application that syncs data with a server regularly. The app integrates with a Bluetooth device attached to the user's watch, facilitating data transfer and enabling an NFT payment gateway. User data and card information are securely stored on the backend.
- **Role:** Backend Developer - Created the Node.js backend API to handle data synchronization and payment processing.
- **Technologies:** Backend: Express.js, Passport.js; Database: AWS DynamoDB; Storage: AWS S3; Email: AWS SES; SMS: Twilio; Cache: Redis

7. Queue Management System v2 (https://rts.com.np/queue-management-system)

- **Description:** Upgraded a standalone queue management system used in various service-based organizations (banks, hospitals, etc.) to a web-based platform, improving accessibility and scalability.
- **Role:** Full-Stack Developer (Lead) - Designed the protocol definition, programmed the server system, created a client application using Raspberry Pi, and developed a reporting application for data analysis.
- **Technologies:** Backend: Node.js; Frontend: React.js; Messaging: MQTT; Real-time communication: Socket.io

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