

# Subhadip Pahari

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## WORK EXPERIENCE

### California State University Fullerton, California, USA

November 2022 - Present

#### Student Assistant App Development

- Working on ServiceNow and Deployed five user-facing applications using Catalog, Glide Record, Scripts
- Integrated third-party services and external APIs for ServiceNow workflow for a better user experience

### Spak Engineering, Bangalore, India

September 2021 - August 2022

#### Full Stack Developer

- Led five developers in creating an Edtech product from scratch using technologies like Node.js, MySQL, and Docker.
- Evaluated the existing Node.js backend project, rewrote **30% of the old APIs** & created **20% of new REST endpoints**.
- Revamp database schema and Transform a single instance of MySQL server to 4 MySQL clusters (master-slave architecture), improving database query **from 5 seconds to 200 milliseconds**.
- Single-handedly built the entire 55+ pages of documentation for backend, frontend, deployment, DB, and linting.

### Novelship, Singapore

May 2021 - September 2021

#### Product Engineer

- Developed JSON-based REST APIs using Node.js - PostgreSQL, **Transformed 20% of legacy code** in the back end.
- Delivered more than 80 new React components for Web-app and React-Native mobile apps (Both Android and iOS)
- Shipped a new feature to 2M+ users** to improve the product search experience for both web and mobile platforms
- Managed to **scale up coupon system to handle 1M+ users per day** during the festive season

### 1101 Tech Corporation, Gurgaon, India

October 2018 - October 2020

#### Software Engineer

- Coordinated the development of 5 applications from scratch leveraging Node, Python, MongoDB, SQL, React, Docker
- Converted two monolithic code-based projects into the micro-service-based docker container.
- Shifted session-based authentication to scalable firebase and JWT-based authentication Integrated third-party services and external APIs, and **Refactor 25% old code**

## PROJECTS

### API Gateway - <https://github.com/subhadip1203/API-gateway>

August 2022 - November 2022

- Designed an API gateway (call forwarding and chaining) using mask backend API
- The technology stack is NodeJs and express.js

### JWT Library - <https://github.com/subhadip1203/jwt>

February 2020 - March 2020

- Implemented JSON Web Token using SHA256 and SHA512 encryption
- The package is written from scratch using Node.js inbuilt Crypto package (no external npm packages are used)

## EDUCATION

### California State University Fullerton, California, USA

Expected Graduation January 2024

#### Master of Science, Software Engineering

Relevant Coursework: Software Architecture, Modern Software Management, Systems and Software Standards & Requirements

## TECHNICAL SKILLS

- Languages / Database:** Python, JavaScript, PHP, Go, Java, MySQL, PostgreSQL, Redis, Mongo
- Frameworks / Libraries:** Flask, Django, FastAPI, Node.js, React.js, Vue.js, React-Native, Spring Boot
- Applications / Developer Tools:** Docker, Nginx, Kranend API gateway, AWS, Git, Jira, Agile (scrum & XP)