NaingAungLwin

Full Stack Developer

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27/02/2001 Burmese GithubProfile Portfolio

PROFILE

Results-driven Software Engineer with a strong command of JavaScript, Python, Golang, Next.js, React.js, Angular, Node.js. Recognized for a proven track record in full-stack development, specializing in the creation of RESTful APIs, implementing JWT-based authentication, and utilizing WebSockets for real-time communication.

Known for adaptability and meticulous attention to detail, I am committed to delivering high-quality code promptly. My experience encompasses a diverse range of projects, reflecting versatility and proficiency across various tech stacks. With a keen eye for innovation, I am eager to contribute my technical expertise to a dynamic team focused on developing cutting-edge solutions.

Whether collaborating on the backend or crafting engaging user interfaces, my commitment lies in producing robust, scalable, and efficient software solutions. I thrive in challenging and fast-paced environments, embracing opportunities to learn and apply emerging technologies that drive excellence in software development.

PROFESSIONAL EXPERIENCES

12/2021 – 03/2022
Yangon,
Myanmar(Burma)

METATEAM MYANMAR Co.,Ltd
Full Stack Developer Intern
. Learned Programming Languages such as Python, Angular and Git.
. Developed and maintained web applications using Python and Angular
. Collaborated with a team to deliver responsive and user-friendly interfaces

04/2022 – 10/2023
Yangon,
Myanmar(Burma)

METATEAM MYANMAR Co.,Ltd
Junior Full Stack Developer
- **Developed and maintained web applications using Python, Angular, ReactJs , NodeJs, Strapi CMS and Golang**
- **Designed and implemented RESTful APIs, ensuring efficient communication between frontend and backend.**
- **Integrated Google APIs such as Google Vision API, Google Drive API, Google Calendar API**
- **Employed OpenCV for advanced image processing and utilized FFmpeg for video manipulation. Additionally, utilized Google Vision API for emotion recognition.**
- **Experienced in using Chart.js for comprehensive data analysis in web applications.**
- **Firebase for real-time data synchronization, authentication and push notification.**

11/2023 – 01/2024
Yangon,
Myanmar(Burma)

SmilaxGlobal Co.,Ltd
Mid Level Full Stack Developer
- **Developed and maintained web applications using NodeJs and NextJs**
- **Designed and implemented RESTful APIs with robust security features, integrating JWT for secure authentication and authorization between frontend and backend components.**
- **Designed and developed real-time communication features using WebSocket, enabling instant updates and live collaboration within the application.**

EDUCATION

07/2018 – 07/2021
Yangon, Myanmar

Diploma of Web Development
Metro IT College

SKILLS

- HTML
- CSS
- Angular
- ReactJs
- NodeJs
- TypeScript
- Python
- JavaScript
- Postgresql
- Mysql
- Golang
- Strapi
- RESTful API
- Google Cloud Platform(GCP)
- FireBase
- MongoDB
- Microsoft SQL Server

LANGUAGES

English

Japanese
N4

AWARDS

21/07/2021 **Diploma of Web Development**

08/02/2020 **Certificate of ITPEC (IP)**

14/06/2019 **Certificate of Japanese Language(NAT-TEST N4)**

12/05/2019 **Certificate of Japanese Language(NAT-TEST N5)**

PERSONAL PROJECTS

06/2022 – 08/2022

Google Calendar Skype
Create a backend system that seamlessly integrates with the Google Calendar app. Utilize Node.js for the backend, crontab for scheduling tasks, Python for specific functionalities, and Skype for communication features.

Technologies Used:
Backend: Node.js

Build a single Node.js script for handling the backend logic.
Utilize native HTTP modules for handling incoming requests.
Implement endpoints for managing calendar events and user data

Implement secure user authentication using OAuth2

Crontab:
Utilize crontab for scheduling recurring tasks, such as sending reminders or notifications for upcoming calendar events.

Python:
Develop Python scripts for specific function for Skype API.
Integrate with the Skype API for notification features directly within the application.

Implement features like event reminders or meeting notifications via Skype.

Google Calendar API Integration:

Utilize the Google Calendar API for seamless synchronization with users' Google Calendars.

Allow users to create, update, and delete events directly within Google Calendar App.

05/2023 – 09/2023

Community Forum
Create a feature-rich and scalable community forum platform using Golang, Firebase, gRPC, and Angular. The goal is to provide users with a dynamic, real-time, and engaging forum experience.

Technologies Used:
Backend: Go Programming Language

API: gRPC

Utilize gRPC (Google Remote Procedure Call) as the communication protocol.
Define protobuf files for structured communication between the frontend and backend.
Implement services and endpoints for forum functionalities such as user authentication, thread creation, post replies, and moderation.

Database: MongoDB

Integrate MongoDB for data storage.
Design efficient database schemas to store user profiles, forum threads, posts, and other relevant data.

Push Notifications: Firebase:

Integrate Firebase Cloud Messaging (FCM) for push notifications.
Send real-time notifications to users for new thread replies, mentions, and other forum activities.

Frontend: Angular

User Interface:

Develop a responsive and user-friendly interface using Angular.
Implement Angular Antdesign components for a consistent design.

Rich Text Editor: CKEditor

Integrate a rich text editor CKEditor for composing and formatting forum posts.
Allow users to embed images and links in their posts.

User Authentication:

Secure user registration and login using JWT Authentication.
Enable social login options for popular platforms.

Features:
Users can create, view, and participate in discussion threads.
Thread categories for organizing discussions.

Admins can create, update, delete users, departments, teams and change roles for users.

Firebase Cloud Messaging for push notifications.
Users receive notifications for new messages, mentions, and other forum activities.

A feature-rich text editor for composing detailed posts with formatting options.

User profiles with customizable avatars and profile information.

Track user activity, contributions, and forum reputation.
Users can earn badges per post created.

Robust search functionality for finding specific teams, departments and posts.

WORK PROJECTS

12/2022 – 08/2023

Saitenkun
Create an innovative project named Saitenkun, which combines Python, OpenCV, Google Vision API, and emotion detection to analyze and understand emotions conveyed in images, particularly focusing on facial expressions.

Technologies Used:
Backend: Python (Flask)

Utilize Flask as the backend web framework to handle HTTP requests and responses.
Implement RESTful API endpoints for image processing and emotion detection.

Frontend: Angular

User Interface:
Develop a responsive and user-friendly interface using Angular.Implement Angular Antdesign components for a consistent design.

Image Processing: OpenCV

Leverage OpenCV (Open Source Computer Vision Library) for image processing tasks.
Utilize OpenCV for facial detection and extraction of facial features.

Google Vision API:

Integrate the Google Vision API for advanced image analysis.
Leverage Google Vision API capabilities for facial landmark detection and additional context understanding.

ChartJs:

To analyze the emotion data such as normal, sad,happy, etc with graph

Features:

Video to Images:

Use a video processing library to extract frames from the uploaded videos. For example, you can use OpenCV (Open Source Computer Vision Library) in Python.
Set a frame extraction rate (e.g., 2 images per 4 seconds) to balance processing time and analysis accuracy.

Image Processing:

Save the extracted frames in a designated folder. Organize the folder structure based on user uploads or other relevant criteria.
Optionally, compress or resize the images to optimize storage and processing.

Emotion Analysis:

Utilize a pre-trained deep learning model for emotion analysis—facial recognition libraries like Google Vision API.
Process each image to detect faces and analyze emotions associated with each face.
Ensure the privacy and ethical use of facial data.
Save the results, such as detected emotions in a database.

Show with Graph:

And used Chartjs to show the emotions data from the database such as happy, sad, normal,etc.. with graph

11/2023 – 01/2024

SSHR_Software_Version2
Develop an integrated HR software solution to efficiently manage human resources processes, enhance employee engagement, and ensure secure communication within the organization.

Technologies Used:
Backend: Node.js with Express.js

Utilize Express.js as the backend web framework for handling HTTP requests and responses.
Implement RESTful API endpoints for various HR modules.

WebSocket (Socket.io):

Implement WebSocket using Socket.io for real-time communication features.
Enable instant messaging, notifications, and updates.

JWT (JSON Web Tokens):

Secure user authentication using JWT for access control and data protection.

Database: Microsoft SQL Server

Set up Microsoft SQL Server as the relational database management system (RDBMS).
Design normalized database schemas for storing employee information, performance data, and other HR-related data.

Frontend: Next.js

Utilize Next.js for building a dynamic and responsive user interface.
Implement React components and pages for various HR modules.

Features:

Employee Information Management:

Centralized database for storing and managing employee information.
CRUD operations for employee details.
Recruitment and Onboarding:

Real-time attendance monitoring.
Leave management with approval workflows.

Employee Self-Service (ESS):

Web portal for employees to manage personal information.
Leave requests, expense submissions, and document uploads.
Learning and Development:

Training program management with course scheduling and tracking.
Employee skill assessments and career development planning.
Payroll Processing:

Automated payroll calculations, tax deductions, and direct deposit.
Compliance with tax regulations and labor laws.