

PRATIK BAJRACHARYA



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City

Profile

Dedicated Computer Science Engineer with 4+ years of experience in software development, system design, and problem-solving. Proficient in creating scalable, efficient, and secure solutions using JavaScript and C#. Experienced in developing robust applications with frameworks like Dotnet and Vue.js, and integrating APIs to ensure seamless functionality across systems. Strong expertise in SQL for managing and optimizing databases, and hands-on experience with ARAS PLM for product lifecycle management. Adept at collaborating with cross-functional teams to deliver high-quality projects on time, driving innovation through emerging technologies, and implementing solutions that align with client requirements and industry best practices.

Experience

GreatO Technology Co., Ltd. Aug 2021 - July 2024

Junior Developer

Job Description: Making Add-ins and application for 3D Computer-Aided Design (CAD) and Aras Product Lifecycle Management (PLM) System, as well as perform required IT related tasks when required.

Job Responsibilities:

- Developed and customized applications to facilitate the seamless transfer of CAD files from CAD software to the Aras PLM system, incorporating customizable properties and options.
- Designed and implemented plugins for the Aras PLM system based on customer requirements.
- Installed and managed the company's email and online meeting server, utilizing open-source servers.
- Oversaw and executed backup procedures for the company's server virtual machines (VMs).
- Administered and maintained the company's GitLab repositories to enhance application development.
- Managed DNS and proxy servers for the company's website, CRM, and internal web tools (meeting, email, etc.), ensuring seamless connectivity and security.
- Performed physical server maintenance, including upgrading hard drives, SSDs, and memory, while troubleshooting and resolving server-related issues.
- Deployed and configured virtual machines (VMs) for test environments, conducting product testing and quality assurance before handover to engineers or the sales team.
- Provided technical support to the sales and marketing team, troubleshooting issues and ensuring smooth operation of systems. Maintained and optimized the company's e-learning platform to enhance sales enablement and marketing efforts.

Achievements:

- Successfully developed an Onshape Application to streamline the transfer of CAD files to the Aras PLM system, which is now utilized by a prominent cycle manufacturing company in Taiwan.
- Created a CAD to PLM application specifically tailored for Solidworks/SolidCAM.
- Optimized SolidWorks to PLM application performance, resulting in a 25% improvement in system efficiency.
- Spearheaded the adoption of Git for code management within the company, fostering a culture of efficient and collaborative application development.
- Played a key role in the installation and customization of the PLM system for major clients, ensuring seamless integration and tailored modifications to meet their business needs.
- Led the installation of a new server at the company's Taichung branch and managed its maintenance, successfully resolving issues caused by earthquake damage to ensure system stability.

Allion Labs, Inc Aug 2018 - Jun 2019

Intern test engineer

Job Description: Product Testing, Validation, and Consulting Service Provider for IT, Automotive, Entertainment, and Interoperability within the AIoT Ecosystem

Job Responsibilities:

- Conducted comprehensive product testing and validation procedures according to established protocols.
- Reported test results and findings to the project leader, ensuring effective communication and documentation.
- Investigated any identified issues or failures in the testing process by attempting to replicate and verify the problems.
- Set up test environments by installing and configuring Windows systems required for product testing, ensuring optimal conditions for accurate evaluations.

Office of International affairs NCUT July 2019 - Aug 2019

Office Intern

Job Description: I was responsible for assisting international students at our college, managing correspondence, and handling various administrative tasks as assigned.

Expertise

- Dotnet Framework: ASP Dotnet MVC, Webapi
- CSharp: Windows form, Class library
- Vue: Vue CLI, Vite, Vue3, Vue2, Vue Router, Vuex
- JavaScript: Sheet.js, Three.js, Chart.js
- Tailwindcss
- NodeJs
- API usage and development
- Linux server management: Zimbra webmail, Jitsi meeting, rustDesk, NGINX proxy
- Proxmox Server: Installation, Backup job, management
- Windows IIS
- Aras PLM (11,12 and 2023)
- Basic Onshape and Solidworks (3D CAD) usage
- proxy and web protocols
- python OpenCV
- LabView

Language

Nepali Native proficiency

English Full professional proficiency

Hindi (Indian) Professional working proficiency

Chinese/Mandarin Limited working proficiency

Certificates

- **Class Valedictorian:** NCUT
- **GLAD Mobile apps Programing Professional:** MaPP
using APP inventor
- **Jane Goodall's Roots&Shoots:** Student member
- **TDK robot competition:** participation
- **NYDIA Deep learning institute:** starter course on AI
on jetson nano

Education

Bachelors in Computer Science and Information Engineering

National Chin-Yi University of Technology

2017 - 2021

Total credits: 164

G.P.A: 4.0

Total average grade: A

Courses:

- Automata theory
- Introduction to machine learning
- Implementation of computer vision
- microprocessor application and practices
- Advance embedded system design and lab

Cambridge A Levels

Gems Institute of Higher Education

2015 - 2017

Total average grade: B

Courses:

- Computer science
- Physics
- Chemistry
- Mathematics & Statistics
- General Paper (English)

SLC/Nepali board

Shuvatara School

2015

Total average grade: A (85%)

Courses:

- Computer science
- Sciences (Physics, Chemistry, Biology)
- Languages (English, Nepali)
- Mathematics
- Social Studies

References

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Eason Wang

Manager of Engineering Department in GreatO Technology

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