Uddhav Paudel
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Professional Summary

Versatile Software Engineer skilled in crafting automation, scalable systems, and data-driven solutions using diverse technologies tailored to business needs. Passionate about improving workflows, integrating APIs, and aspiring to contribute to open-source projects, with a focus on creating practical solutions for everyday challenges and supporting FAIR data practices.

Personal Projects
Code available on request.

eCommerce PWA Platform: Developed a responsive eCommerce PWA with offline functionality and push notifications, boosting user engagement.
Link: www.stage.aone-solution.com

Text-to-Audio, Image, and Video Tool: Created a tool to convert text to audio, images, and YouTube-ready videos.
Watch: EonSoul Spirit YouTube

Weather Application (Open-Meteo API): Built a weather app with real-time forecasts using the Open-Meteo API.

AVIF to PNG Converter: Python tool to convert AVIF to PNG for improved image compatibility.
Excel to Word Converter: Automated Excel to Word (DOCX) conversion for streamlined document formatting.
Document Merger: Python script to merge Word documents, enhancing content consolidation efficiency.

Work Experience

Aone-Choice Ltd., United Kingdom | October 2024 – Present
Assistant Manager
- Oversee IT operations and development lifecycle, including planning, monitoring, and deployment stages.
- Work with a tech stack comprising PHP, Laravel, Vue.js, Python, MySQL, and Docker.
- Manage web hosting processes and lead the migration to Kubernetes for streamlined deployment.
- Coordinate with development teams to implement and enhance project delivery pipelines.

Procit B.V., Netherlands & Nepal | 2015 – April 2023
Software Engineer
- Integrated IoT devices using MQTT and Node-RED for real-time data communication.
- Designed APIs following OpenAPI standards, ensuring interoperability and GDPR compliance.

- Developed solutions for inspection, certifications, HSE compliance, asset management, plant maintenance, and requirement validation to streamline critical business operations.
- Created PowerShell scripts for customized system monitoring and maintenance.

Full Stack Web Developer
- Developed and maintained web applications, overseeing releases, monitoring performance, and ensuring smooth SDLC execution.
- Built responsive UIs using Vue, React, Angular, and HTML/CSS/ Vanilla Javascript, improving engagement.
- Optimized database performance with advanced SQL and SQLite queries for lightweight apps.

Technical Consultant
- Delivered Low-Code/No-Code platform training, enhancing team productivity.
- Contributed to open-source tool integration, promoting innovation and cost-effectiveness.
- Awarded "Employee of the Quarter" for excellence in collaboration and project success.

Education

Master's in Computer Science
University of the West of Scotland (UWS) | Expected May 2024
- Focused on data warehousing and using open-source tools to manage large datasets.

Bachelor's in Computer Engineering
Pokhara University, NAST | 2015
- Applied C++ for numerical analysis and algorithmic problem-solving, with a strong foundation in mathematical modeling.

Intermediate in Science (Equivalent to A-Levels)
Tribhuvan University | 2010
- Focused on mathematics, physics, and chemistry, fostering analytical problem-solving skills.

Skills

- **Programming**: JavaScript, Python, Java, Android(Java),PHP(Laravel), SQL; React, Angular, Vue, Tailwind CSS, Bootstrap, Plotly, MoviePy, Leaflet.js.
- **Data & API**: API development (OpenAPI), GDPR Compliance, data warehousing, PostgreSQL/MySQL, service-oriented architecture.
- **Tools**: Git, Docker, Jenkins, Kubernetes, Prometheus, Grafana.
- **Development & Methodologies:** Agile (Scrum), SDLC, workflow automation, API development, Progressive Web App, Hybrid WebApp, IoT integration (MQTT, Node-RED), Pytest, web hosting.

Hobbies & Interests

- **Strategic Thinking**: Chess and brainstorming to enhance problem-solving.
- **Team Sports**: Football, cricket, emphasizing teamwork and perseverance.
- **Exploration & Community**: Traveling, hiking, and social service supporting elderly communities.