Sijan Bhattarai

bhattaraisijan@outlook.com • (678) 428-1872 • linkedin.com/in/sijan-bhattarai • Website • Atlanta, GA

RELATED SKILLS

- **Programming Languages:** Python, SQL**,** PHP, Golang, JavaScript, React
- **Technologies:** Wordpress, AWS, ElasticSearch, Git, CI/CD, Tableau, PowerBI, Langflow,
- **Frameworks & Methodologies:** Agile Methodologies, Django, Laravel, Software Development Lifecycle (SDLC), Machine Learning, Test-driven development (TDD), Systems Design

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, Atlanta, GA   August 2022 – Present
Georgia State University
- Deployed interactive experiments using the Empirica.ly (Node JS) framework in AWS EC2 that improved data quality.
- Built a Psychology Counseling AI bot that refers to uploaded documents as knowledge base using Langflow, fastAPI, nodeJs, RAG, Pinecone vector database.
- Built data analysis pipeline (Augmentation, cleaning, modeling, and deploying) using Python for a non-profit campaign "Fighting addiction, fueling recovery".

Senior Software Engineer | Manager, Tokyo, Japan   November 2020 – July 2022
TAI Inc. Pvt. Ltd
- Directed team coordination, **mentoring, growing the cross-functional team from 4 to 25 members** while maintaining a 90% sprint completion rate, showcasing strong leadership in team scaling and productivity enhancement.
- **Built software development process** by establishing and facilitating agile practices, developed CI/CD pipelines for automated tests and deployments, and reduced manual deployment effort by 50%.
- Built backend service to export server metrics from Prometheus to AWS Cloudwatch using Golang and AWS-SDK-GO, reducing manual effort by 50%. Also contributed to the open source community along with documentation.
- Managed cloud infrastructure on AWS, employing services like EC2, S3, RDS to ensure scalability and high availability.
- Review codes developed by associate engineers to ensure best practices.
- Acted as the point of contact to the Japanese Clients ensuring all the business requirements were communicated to the engineering teams and the status and updates were communicated to the clients.
- Mirrored Japanese clients' infrastructure locally at the Nepal office using AWS EC2.
- Designed, developed, deployed and maintained 3 websites for the business using Python, MySQL, AWS EC2, Route 53, S3.
- Developed cyber security and data privacy guidelines for the team to ensure that the clients requirement of workplace standards were met.

Senior Software Engineer, Dubai, UAE   April 2019 – November 2020
Freelance Agencies
- Developed the backend and led a team of 4 other software engineers launching the **e-commerce leading to 20K visits** within the first 3 months.
- Participated in design review with stakeholders, ensuring the adaption of the product with customers' feedback.
- Integrated Telr Payment gateway API to retail e-commerce, increasing checkout rate by 80%.
- Used Python, and BeautifulSoup for web scraping, fully **automating collection and update of product data for e-commerce**.
- Reviewed code developed by junior engineers ensuring best practices and coding standards were being followed.
- Used PHP to integrate Unity contents to Moodle LMS to develop a Proof of concept for a 'learning-by-playing' startup idea.
- Designed, developed, deployed and maintained at least 10 websites and e-commerce using PHP, Wordpress, Python, MySQL, jQuery.

System Development Engineer, Kathmandu, Nepal   January 2017 – April 2019
ClassicTech Pvt. Ltd.

- Designed, coded, and deployed a customer support ticketing system from start to finish using PHP CodeIgniter, jQuery, Ajax, and MySQL, leading to a 25% decrease in ticket resolution time and a 15% decrease in response time.
- Wrote advanced SQL queries to generate reports for seamless decision-making for senior executives.
- Developed documentation and educational materials for L1 support staff to adhere to and resolve customers issues tickets.
- Analyzed sources of product and system issues and resolved the issues collaborating with cross functional teams.
- Used Python to read sensor data and Leaflet JS to track vehicles in the open street maps.
- Designed, developed, deployed and maintained at least 10 websites using PHP, MySQL, Python, and jQuery.
- Contributed in the development of features for HRIS, and inventory management system.

EDUCATION

Georgia State University: Master's in Business Administration (MBA), Atlanta, GA   May 2024
Tribhuvan University : Bachelors in Engineering, Electronics and Communication, Lalitpur, Nepal
Sept 2018