

Bishnu Pokhrel

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SOFTWARE ENGINEER

Dynamic developer with 6+ years of experience building scalable APIs and full-stack applications using AWS, Node.js, Vue.js, React, Angular, Laravel, and PHP in Agile/SCRUM workflows. Skilled in WordPress development, cloud architecture, and microservices, with expertise in CI/CD pipelines. Experienced in leading teams, maintaining legacy systems, and driving modernization with a focus on performance, scalability, and testing.

Microservices Scalable Architecture Cloud Native Design CI/CD Unit/Integration Testing NoSQL SQL
Version Control (VCS) Caching Streaming Message Queue Containerization

Languages: PHP, JavaScript, Typescript, Java

Web: HTML5, CSS3, HTMX, React, Vue, Angular

Web Services: REST, GraphQL, JSONRPC

Web/App Servers: NodeJS,

Frameworks: Laravel, Express

Databases: Redis, MongoDB, Postgres, SQL

Design Patterns: Singleton, Template, Repository, MVC

SDLC: Agile, Scrum

Tools: Git, Github, Docker, AWS, IAM, ALB, ELB, S3, DynamoDB, EC2, Lambda, GCP, Linux, Asana, Kanban, Trello, Jira

Platforms: Unix

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

Codespider Technology, 86-90 Paul Street, London 04/2019 – 05/2024

Specializing in e-commerce and education. The company delivers innovative online shopping experiences and accessible learning platforms, empowering consumers and learners alike. Its mission is to bridge the gap between commerce and education through cutting-edge technology. ,

Software Engineer (Remote)

- Led architecture and database design for scalable web applications using Node.js and MongoDB
- Developed secure payment processing gateway for shopping platform using Laravel and PayPal API & Stripe.
- Implemented RESTful APIs for e-commerce site using Express
- Mentored junior developers through code reviews and best practices
- Achieved significant performance optimization by refactoring legacy codebase
- Integrated security features using OAuth and JWT, strengthening authentication protocols and reducing vulnerabilities

Technologies Used: PHP, Java JavaScript, Vue Docker, ASP.net, AWS, MongoDB, S3, DynamoDB, IAM, BitBucket, Git.

Technorio Inc Pvt. Ltd, Kathmandu, HU 03/2018 – 03/2019

Startup company specializing in CRM, POS, and online payment systems for local businesses in Nepal.

Web Developer

Developed scalable, user-friendly software solutions for business automation and customer engagement.

- Designed and implemented CRM and POS systems using Laravel and Vue.js, improving operational efficiency for a major local enterprise by 40%.
- Built and customized WordPress solutions for mid-sized businesses, enhancing performance and user engagement.
- Developed interactive web applications with JavaScript, boosting user experience and backend scalability.
- Optimized complex database queries, improving system response times and reliability.

Technologies Used: Laravel, PHP, Vue.js, JavaScript, React JS, JQuery, Ajax, WordPress.

Nepal Creative Tech, Butwal, NP 10/2016 – 02/2018

Company specializing in e-commerce solutions and digital portfolio systems, empowering businesses to enhance their local reach and online presence.

Web Development Intern(Paid)

Gained hands-on experience in web development and testing through diverse projects, enhancing technical and professional skills.

- Contributed to real-time development of e-commerce and portfolio systems using PHP, Laravel, and Vue.js.
- Conducted rigorous testing to ensure system reliability and functionality, learning best practices in debugging and problem-solving.
- Collaborated on dynamic WordPress sites, optimizing performance and improving user experiences.
- Developed a foundational understanding of system architecture, time management, and critical thinking in software development.

Technologies Used: PHP, Laravel, JavaScript, Vue.js, WordPress, Cpanel, SiteGround, GoDaddy.

FREELANCE EXPERIENCE

BitPointX, Sydney, AU 03/2022 – 06/2022

Australian-based company specializing in web development and digital solutions.

Freelance Developer

Collaborated remotely to enhance the performance and functionality of WordPress and JavaScript-based websites hosted on AWS

- Improved website loading times and responsiveness by optimizing JavaScript code and integrating custom plugins for WordPress.
- Debugged and resolved compatibility issues across multiple devices and browsers, ensuring seamless user experiences.
- Supported AWS-hosted infrastructure, configuring resources for improved scalability and uptime.
- Delivered clean, maintainable code while meeting tight deadlines and addressing client feedback promptly.

Technologies Used: WordPress, JavaScript, AWS.

ACADEMIC PROJECTS

Maharishi International University (2024)

Travel Journal: Developed a full-stack application that allows users to document their travel experiences, including uploading photos to an image gallery. Built the frontend with React for a dynamic and user-friendly interface, and used Express/Node.js for secure data storage.

Technologies Used: React, Node.js, Express.

Trip Advisor: Created a full-stack trip advising platform tailored for Asia, integrating Angular for the frontend and Node.js/Express for the backend. Utilized MongoDB to manage real-time data, providing users with up-to-date itineraries, travel tips, and recommendations.

Technologies Used: Angular, Node.js, Express, MongoDB.

Advanced Library System: Designed an object-oriented library management system using core Java. The application supports inventory management, user registration, lending and returning of books, and tracking overdue items.

Technologies Used: Java.

Serverless Authentication Application: Built a serverless application with features for user registration, login, and image uploads. Leveraged AWS services such as Lambda, API Gateway, DynamoDB, and CloudFormation for backend automation and CI/CD deployment, with a ReactJS-based frontend hosted on S3.

Technologies Used: Node.js, ReactJS, AWS (Lambda, EC2, S3, API Gateway, DynamoDB, CloudFormation).

PERSONAL PROJECTS

Payment Integration System: Integrated one of Nepal's largest payment systems into a live platform, enhancing local e-commerce functionality and expanding payment options for businesses. Gained hands-on experience with secure payment gateways, ensuring seamless transactions and user data protection. Focused on real-world financial system compliance and improving customer satisfaction.

Technologies Used: Payment Gateways, Laravel, Vue Js, RES.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 12/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Modern Web Applications, Advanced Java Technology, Web development, Cloud Computing, Algorithms

Bachelor of Science in Computer Science

Butwal Multiple Campus, Tribhuvan University, Butwal Nepal (2018)