RITESH GHIMIRE

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SOFTWARE ENGINEER

Experienced Full Stack Web Developer with 9 years experience in designing and developing highly scalable, high-performance applications in media, sports, and enterprise sectors. Well-versed in PHP frameworks such as Laravel, Codelgniter, and WordPress, and in JavaScript technologies such as jQuery and ReactJS. Skilled in MySQL database design and optimization with good academic experience in deploying and managing applications on AWS. Successfully led high-traffic web portals and customized broadcast systems, contributing to system strength and user experience. Proficient in overall software development life cycle, including requirements collection, architecture design, and Agile methodologies.

- Problem Solving Performance Optimization Object Oriented Programming (OOP) API Integration
- Code Version Control Scalable Architecture Design Database Management Requirements Analysis

Languages: PHP, JavaScript

Web: HTML, CSS, jQuery, ReactJS, Bootstrap, Tailwind CSS **Web Services:** REST, JWT, CORS, Webhooks, API Rate Limiting

Web/App Servers: nginx, Apache

Frameworks: Codeigniter, Laravel, Phalcon **Databases:** MySQL, SQLite, PostgreSQL, Redis **Design Patterns:** Singleton, Factory Method

SDLC: Prototyping, Waterfall, Agile

Tools: Postman, JIRA, Git, Github, Docker, Swagger

Platforms: MacOS, Windows, Linux (Ubuntu), Amazon Web Services (AWS)

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).

KANTIPUR PUBLICATIONS, Kathmandu, Nepal • 06/2016 - 09/2024

The leading media house in Nepal with multiple daily magazines, TV channel and Radio Broadcast.

Technical Team Lead (11/2019 – 09/2024)

- Developed Election Results Presentation System for real-time data delivery using high-performance architecture using Phalcon and MySQL, engaging over ten million visitors during national elections.
- Led the development and maintenance of high-traffic media websites using PHP, managing 500K daily users, optimizing performance and ensuring 99% uptime.
- Designed a News Automation System for News TV Channel, automating workflows for 100+ reporters, editors, and presenters using Laravel and jQuery resulting in improvement of work efficiency.
- Created a web-based graphics control system for live TV broadcasts using PHP and JavaScript enabling real-time display of dynamic graphics.
- Engineered real-time scoring systems for four major sports (soccer, cricket, volleyball, basketball), integrated into live TV broadcasts using Codelgniter.
- Architected high traffic classified marketplace using customized PHP Framework and ReactJS along with Redis for caching, increasing the page speed significantly.

Software Engineer (06/2016 – 10/2019)

- Engineered the complete revamp of 3 existing news portals using Phalcon by optimizing SEO and increasing page load speed by 40% and significant increase in organic traffic.
- Improved server response time by 30% through MySQL optimization and implementing caching mechanisms, resulting in faster load times and better user experience.
- Integrated various third-party APIs including Google Analytics, YouTube, Facebook, Viber, and others, enhancing automation and improving the capabilities to review analytics.
- Devised and developed over 15 web applications including task management, daily log portal, event management system and QR based ticketing system for events using technologies like PHP and Laravel.

Technologies Used: PHP, Phalcon, CodeIgniter, Laravel, JavaScript, ReactJS, Redis, MySQL, jQuery.

KUL TECHNO LABS AND RESEARCH CENTER, Kathmandu, Nepal • 07/2015 - 05/2016

An organization committed to building innovative e-learning web applications.

Web Developer

Developed web applications.

- Maintained and optimized a high-traffic online learning platform using Codelgniter and WordPress, reducing load times by 30% and improving overall system performance.
- Designed and implemented new features using PHP, Bootstrap, JavaScript, and jQuery, enhancing user experience and increasing site engagement.
- Ensured technical and creative consistency across multiple client websites hosted on Nginx and Apache, aligning with branding and functional requirements.
- Integrated a secure authentication system using JWT for protected access to REST APIs, improving API security and user management.

Technologies Used: PHP, CodeIgniter, jQuery, JavaScript.

ACADEMIC PROJECT

Maharishi International University (2025)

• Contact Management System: The system enables users add, edit and bookmark contacts along with option to export contacts in vCard format, ensuring seamless integration with other platforms.

PERSONAL PROJECTS

- YouTube Channel <u>Lets Try This</u>: Created and maintained a YouTube channel with 370+ programming tutorials (PHP, JavaScript, React, CSS, HTML) and 10K+ subscribers.
- <u>UltraPHP</u>: Working on developing my own custom lightweight PHP Framework best suited for small scale web applications.
- Youthsforum.com: Developed and maintained an online portal focused on technology and programming articles, highlighting content creation and web development skills.
- Sportsguff.com: Developed and maintained a sports portal covering news, player profiles, statistics, and live scores.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 07/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Web Application Architecture, Cloud Computing, Algorithms

Bachelor of Engineering in Computer Engineering

Advanced College of Engineering and Management, Lalitpur, Nepal (10/2015)