

RITESH GHIMIRE

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SOFTWARE ENGINEER (PHP | REACT)

Experienced Software Engineer with 9 years of proven expertise in designing and developing scalable, high-performance web applications across news media and sports sectors. Proficient in PHP frameworks (Laravel, CodeIgniter, Phalcon, WordPress) and JavaScript technologies (ReactJS, jQuery). Strong command of MySQL database design and optimization, with hands-on experience deploying and managing applications on AWS. Successfully led the development of high-traffic web portals and custom broadcast systems, enhancing performance, reliability, and user experience. Adept in the software development life cycle (SDLC), from requirements gathering to architecture design and Agile execution.

Agile Development • Leadership & Mentorship • Software Architecture • Linux & MySQL Proficiency
Full SDLC • High-Traffic Web Applications • API Integration • Performance Optimization
Cross-Functional Collaboration • Requirements Analysis • CI/CD Practices

Languages: PHP, JavaScript

Web: HTML, CSS, jQuery, ReactJS, Bootstrap, Tailwind CSS, Search Engine Optimization (SEO)

Web Services: REST, JWT, JSON, XML, CORS, Webhooks, API Rate Limiting

Web/App Servers: nginx, Apache

Frameworks: Vanilla PHP, CodeIgniter, Laravel, Phalcon

Databases: MySQL, SQLite, PostgreSQL, Redis, MongoDB

Design Patterns: Singleton, Factory Method

SDLC: Prototyping, Waterfall, Agile

Tools: Postman, JIRA, Git, Github, Swagger

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

PROFESSIONAL EXPERIENCE

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)

- Led full lifecycle development and enhancement of critical, high-traffic software systems handling over 500K daily users, ensuring exceptional performance and reliability.
- Mentored junior developers through code reviews, documentation, and internal workshops, fostering a culture of continuous learning.
- Designed and implemented real-time systems including:
 - **Election Results Presentation System** used by 10M+ viewers.
 - **News Automation Platform** streamlining editorial operations across TV and digital.
 - **Live Graphics & Sports Scoring Systems** for national TV broadcasts using CodeIgniter and Redis.
- Architected a classified marketplace using a custom PHP framework and ReactJS, significantly reducing page load times and boosting user engagement.
- Oversaw support and timely updates for multiple concurrent projects, consistently meeting all delivery deadlines in a rapidly changing environment.

Software Engineer (06/2016 – 10/2019)

- Revamped three major news portals using Phalcon and MySQL, improving SEO and reducing load times by 40%.
- Developed over 15 enterprise-grade applications including event ticketing, log portals, and task tracking systems.
- Integrated third-party APIs (Google, Facebook, Viber, YouTube) to extend platform capabilities and improve analytics.
- Reduced server response time by 30% via MySQL optimization and caching strategies.
- Implemented CI/CD pipelines to automate deployment, reducing release time and deployment errors.
- Performed security hardening (XSS, CSRF protection, SQL injection prevention) across multiple projects.
- Collaborated with cross-functional teams (design, editorial, marketing) to deliver features aligned with business objectives.
- Introduced code review process and internal documentation standards, improving code maintainability and team collaboration.

Technologies Used: PHP, Laravel, CodeIgniter, Phalcon, MySQL, Redis, JavaScript, ReactJS, jQuery, Nginx, AWS, Linux (Ubuntu)

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

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

Web Developer

- Maintained and optimized a high-traffic online learning platform using CodeIgniter 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.

PERSONAL PROJECTS

- **YouTube Channel - [Lets Try This](#):** Created and maintained a YouTube channel with 370+ programming tutorials (PHP, JavaScript, React, CSS, HTML) and 10K+ subscribers.
 - **[Contact Management System](#):** The system built using PHP and ReactJS enables users to add, edit and bookmark contacts along with option to export contacts in vCard format, ensuring seamless integration with other platforms.
 - **UltraPHP :** 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 using PHP (WordPress)
 - **[Sportsguff.com](#):** Developed and maintained a sports portal covering news, player profiles, statistics, and live scores using CodeIgniter.
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EDUCATION

Master of Science in Computer Science

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)