

Pukar Ghimire

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Senior Full Stack Software Engineer | Tech Lead | AI-Assisted Engineering & Agentic Workflow Automation

Professional Summary

Senior Full Stack Software Engineer with 7+ years of experience building scalable web applications, backend systems, developer platforms, and cloud infrastructure using React, Node.js, NestJS, Laravel, and AWS. Experienced in leading engineering teams, modernizing legacy systems, improving developer productivity, and implementing AI-assisted agentic workflows that automate software delivery lifecycle tasks from planning to pull request creation. Strong focus on engineering efficiency, product experience, and scalable architecture. Because apparently writing code is no longer enough. Now the code writes code while humans supervise the ritual.

Core Skills

Languages: TypeScript, JavaScript, PHP, Python, SQL

Frontend: React, Next.js, Redux, Vue.js, Tailwind CSS, Storybook, Micro-frontends

Backend: Node.js, NestJS, Laravel, REST APIs, JWT Authentication, Keycloak

Testing: PHPUnit, Jest, Cypress, React Testing Library

Cloud & DevOps: AWS, Elastic Beanstalk, S3, API Gateway, CloudFront, Docker, CI/CD, Terraform

AI & Agentic Engineering: Cursor, Claude Code, Atlassian MCP, GitHub MCP, Figma MCP, AI-assisted software delivery workflows, PR automation, code review automation, Jira workflow automation

Practices: Technical leadership, system modernization, Agile/Scrum, architecture planning, code reviews

Professional Experience

Software Engineer, Tech Lead

Social Knowledge LLC, USA (Remote) | Feb 2021 - May 2026

- Led a team of seven engineers in redesigning and rebuilding a legacy platform using modern frontend and backend technologies, defining the technical roadmap and coordinating delivery across the full development lifecycle, which improved maintainability, accelerated feature delivery, and modernized core product architecture.
- Designed and implemented multi-step agentic engineering workflows using Cursor, Claude Code, Atlassian MCP, GitHub MCP, and Figma MCP that automated the software delivery process from Jira ticket intake through research, implementation, code review, pull request creation, documentation, and work summary generation, significantly reducing repetitive engineering effort and improving delivery consistency.
- Built AI-assisted automation workflows for pull request validation and review handling by extracting GitHub review comments, evaluating their validity against internal engineering standards, generating implementation plans, and applying approved changes automatically, reducing manual review overhead and accelerating PR turnaround time.
- Developed internal agentic command workflows for repetitive engineering tasks including documentation generation, pre-PR security audits, standards validation, and code quality checks using internally defined engineering rules, improving development consistency and reducing avoidable review feedback.
- Replaced the existing Create React App tooling with rsbuild across the frontend platform to address slow build and deployment cycles, reducing build times by up to 80%, improving developer productivity, and lowering CI compute costs.
- Integrated a Keycloak-based OTP passwordless authentication system to simplify user login flows and reduce customer friction, resulting in improved user experience and reduced support requests related to password recovery.
- Architected and developed a NestJS microservice that aggregated and transformed data from multiple backend sources into a unified REST API consumed by RV trip planning features, improving data availability and enhancing the customer trip planning experience.
- Built and optimized a CI/CD pipeline using AWS CodePipeline, Elastic Beanstalk, and Terraform to standardize deployments and infrastructure management, reducing deployment time by 30% while improving release reliability and operational consistency.

- Developed a shared Storybook-based React component framework used across multiple applications to standardize UI implementation and accelerate frontend development, enabling more consistent user experiences across products.
 - Redesigned and rebuilt major user-facing areas of the trip planning and management application using React and TypeScript, improving usability, workflow clarity, and application responsiveness for end users.
 - Developed micro-frontend based user settings and authentication interfaces integrated across multiple systems within the product ecosystem, enabling a more seamless Single Sign-On experience for customers.
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Software Developer

Neputer Tech Pvt. Ltd, Kathmandu, Nepal | Jan 2020 - Feb 2021

- Developed a secure REST API using Laravel and JWT-based authentication for a digital products e-commerce platform, improving application security and enabling scalable frontend integration.
 - Modernized a traditional e-commerce platform by rebuilding it as a React single-page application, improving page load performance and user experience, which contributed to a 20% increase in sales and customer engagement.
 - Developed and enhanced backend functionality for a large-scale logistics management platform using Laravel while resolving critical production issues under tight deadlines, helping ensure stable and timely project delivery.
 - Built Vue.js-based administrative interfaces connected to backend REST APIs to provide operational visibility and reporting capabilities for logistics workflows and business processes.
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Education

Bachelor in Computer Engineering | Institute of Engineering, Tribhuvan University | 2019

Certifications

AWS Certified Solutions Architect – Associate (SAA-C03) | Amazon Web Services | 2024

EXIN Certified Scrum Master

Selected Achievements

- Reduced frontend build times by up to 80% through migration to rsbuild
- Reduced deployment time by 30% using AWS CI/CD automation and Terraform
- Increased e-commerce sales by 20% after SPA modernization with React
- Improved legacy system test coverage to 80% through unit and integration testing initiatives
- Built AI-assisted agentic workflows automating engineering tasks from Jira ticket to production-ready pull request