ABIRAL SUBEDI

Software Engineer · Norfolk, Virginia · +1-757-559-7201
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Software Engineer with more than 5 years of experience in full-stack development and leading product cycle from conception to completion. Guided a team of 7 members through 3 product launches at a recent experience in a high-growth eLearning technology startup.

PROFESSIONAL EXPERIENCE

Map Communications, Chesapeake, Virginia   May 2023 – Present
Software Developer
- Worked on cross platform mobile application development using Xamarin to finish 200 tickets within 3 months on the Ruby application, surpassing project timeline by 2 weeks
- Collaborated to build React Native app by resolving bugs and delivering feature enhancements, resulting in a more stable and feature-rich application.
- Contributed to the development and deployment of an internal web application, optimizing agent workflows and enhancing operational efficiency by 24%.
- Spearheaded the integration of analytics tools, including Dynatrace and Pendo, fortifying monitoring capabilities and resulting in a notable 14% improvement in system performance and user experience.

Old Dominion University, Norfolk, Virginia   Aug 2022 – Dec 2023
Graduate Research Assistant - Hands-on Lab
- Designed a normalized MySQL database and implemented efficient REST APIs for a survey taking application.
- Created staging and production environment for React and Node.js based applications using AWS EC2 instance, RDS, Nginx, and GoDaddy DNS.
- Integrated payment service from Square and automated delivery service from Nash in a US-based restaurant application; increased sales rate by 28%.
- Worked with team members on existing applications to fix bugs and develop new features; completed tickets ahead of scheduled timelines.
- Significantly contributed to creating a progressive web application that incorporated functionalities for selling digital coupons and facilitating online food orders during the Taste of India 2023 Hampton Roads event, drawing a crowd of 10,000 attendees in just one day.

Innovate Tech, Kathmandu, Nepal   Jan 2019 – Jul 2022
Software Engineer - My Second Teacher Application Development Team
- Developed, tested, and integrated React-based applications with performant REST APIs with support for localization, increasing user engagement by 10%
- Collaborated with internal teams, including graphic design and QA testers to launch a real-time chat application in 3 months, ahead of schedule by 1 month
- Designed and developed a competency evaluator system for students to assess their knowledge using automated test papers which improved user satisfaction by 26%
- Built and released standalone dummy UI-Components library and integrated it with multiple projects with maximum code reuse
- Created a Business Intelligence tool for interactive dashboarding and visualizing KPI scorecards, saving 15 hours a week of manual reporting work
- Migrated related micro-services to the monorepo structure using Nx that enhanced 30% efficiency on release management and code reusability
- Analyzed areas of improvement and optimized API requests by using caching and auto revalidation which eliminated 15% of unnecessary requests
- Wrote reusable unit test documents to ensure quality control and detect bugs by increasing over 30% efficiency rate

- Collaborated with QA software testers to conduct E2E testing using Cypress, improving software accuracy by approximately 20%
- Built responsive and interactive user interfaces, increasing mobile traffic by 24%

Rigo Technologies, Kathmandu, Nepal   Sep 2018 – Dec 2018
Software Developer Intern
- Implemented 60+ E2E tests using Selenium & Protractor
- Worked with senior team members to assist the development of 3 applications on a wide variety of platforms including web and mobile

EDUCATION

Old Dominion University, Norfolk, Virginia   Aug 2022 - Apr 2024
Master's of Science in Computer Science

London Metropolitan University, London, UK   Jul 2018 - May 2021
Bachelor's of Science in Computing

SKILLS

Languages: JavaScript, TypeScript, Python, Go
Frameworks/Libraries: React, Node.js, Express.js, React Native, Django, Gin, GORM, Spring Boot, Xamarin, Next.js, Redux, Redis, React Testing Library, Jest, Storybook, Cypress
Databases: MongoDB, MySQL, PostgreSQL
Cloud Platforms: AWS Code Pipeline and CodeBuild, EC2, S3, SES, Lambda, SQS
SDLC: Agile with Scrum (Jira)
Version Control: Git, Github, Gitlab
Continuous Integration/Deployment: Docker, Webpack
Platforms: Linux, Windows, MacOS