Kritesh Pokhrel

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Profile

Passionate software developer with a strong interest in scalable architecture, performance optimization, and system design. competent in automation, debugging, and full-stack development; constantly aiming for clear, effective, and maintainable code. passionate in solving challenging issues, improving development processes, and learning new technologies. enthusiastic supporter of technological excellence, best practices, and continuous learning.

Experience

SOFTWARE ENGINNER | EUROFINS IT SOLUTIONS INDIA PVT LTD.
AUGUST 2022 – PRESENT

Project: Off-site Management (OSM)

· Developed **OSM Mobile PWA**, a Progressive Web App used by operators to collect samples on planned routes and deliver them to labs. Used service workers, IndexedDB, and native device features like GPS, network detection, and camera, ensuring seamless offline functionality.
· Built and maintained a **UI application** that enabled ASMs to configure route for the operators.
· Created **OSM Form** and other reusable libraries, reducing redundant development efforts.
  Tech Stack: Angular 16, Angular Material, Redux, PWA, TypeScript, CSS/SASS, Jasmine & Karma (unit testing).

· Designed, developed, and maintained **server APIs**, ensuring 99.9% uptime and robust error handling.
· Developed **microservices for generating route execution reports**, improving reporting efficiency.
  Tech Stack: .NET Core 7.0, C#, ASP.NET, Microservices, MS SQL

· Designed and implemented **CI/CD pipelines** for new repositories and libraries on **Azure App Service & Azure Cloud Web Apps**.

Key Contributions & Responsibilities

· Guided a **team of 5 developers**, actively contributing to **module and system design & architecture** across multiple application bundles, balancing backend and frontend development.
· Assisted **business stakeholders** by providing **feasibility analysis, effort estimation, and strategic recommendations** for upcoming features and modules.
· Spearheaded the redesign and optimization of critical modules, including the **Sync Module**, which eliminated previous sync issues and reduced sync time from **1.5 minutes to ~15 seconds**, and the **Parcels & Containers Sync Module**, where performance enhancements led to a **90% reduction in sync time**.
· Configured **unit tests** for UI projects, achieving **85% test coverage**, and for backend services, covering **75% using unit & integration tests**.
· Designed and implemented **comprehensive logging** for the mobile app, improving error traceability and resolution time by **60%**.
· Revised the development process, reducing **average backlog bugs by 80%**.

- Addressed **application security vulnerabilities**, bringing **security hotspots to 0%**.
- **Onboarded and mentored multiple batches of freshers**, accelerating their project readiness within **6 weeks**.
- Reviewed and optimized the **support process**, reducing **P1 ticket resolution time to under 24 hours** by streamlining workflows and improving user interactions.

Education

B.E. IN COMPUTER SCIENCE AND ENGINEERING | AUGUST 2022 | VISVESVARAYA TECHNOLOGICAL UNIVERSITY, KARNATAKA, INDIA – GPA 9.10

Skills

- Frontend Development: Angular 16, Angular Material, React, CSS/SASS
- Backend Development: .NET Core 7.0, ASP.NET, Microservices
- Database Management: MS SQL, Firebase
- Programming languages: Typescript, JavaScript, Python, Java, C#
- DevOps & Cloud: CI/CD pipelines, Azure App Service, Azure Cloud Web Apps
- Testing & Quality Assurance: Jasmine & Karma (unit testing), SpecFlow
- Team leadership, Onboarding & training
- Process optimization
- Stakeholder collaboration

Activities and Interests

Photography, Digital Marketing, Football, Trekking & Environmental Conservation.