San Francisco, California
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403-926-4437

Nitish Pradhan

A dynamic software engineer with a proven track record of delivering robust and scalable software solutions. Proficient in Java, Python, and C#, with deep expertise in web application development using Angular, React, and Node.js. Highly skilled in microservice architecture, API development, and cloud technologies such as AWS. Known for consistently optimizing code for performance and security, resulting in improved user experiences and reduced operational costs. Seeking a challenging software engineering role to drive innovation and make a significant impact on groundbreaking projects.

Technologies and Languages

- **Languages**: Java, C#, C++, Python, HTML, CSS, JavaScript, TypeScript
- **Technologies**: MySQL, MongoDB, Git, Jira, GitHub, Flask, Redis, Bitbucket, Jenkins, Grafana, Node.js, Angular, React, AWS, CI/CD, JSON, Terraform, Docker, NoSQL, Kubernetes.
- **Other**: Data structures and algorithms, Object-Oriented Design, Operating Systems, Database, Networks, Software Architecture, Cloud Architecture, Distributed Systems, API development, Machine Learning, DevOps, Agile Development, Unit Testing.

Education and Certifications

- **B.Sc. Computer Engineering(With Distinction),** University of Calgary   **September 2018 - May 2023**

Work Experience

Software Engineer Part-Time   **Medipro**   **June 2024 - September 2024**
Calgary, Canada

- Developed and implemented hospital content management web applications, resulting in a 30% increase in administrative efficiency and a 25% reduction in patient data processing time. Used Angular, Typescript, C# and node.js.
- Enhanced reporting system with Js report API calls, boosting user experience.
- Implemented lazy loading principle, reducing page load time by 20%, which improved user experience.
- Authored comprehensive documentation, resulting in a 20% decrease in customer call resolution time due to improved clarity and accessibility of information.
- Conducted peer code reviews, resulting in a 15% reduction in code defects and a significant improvement in overall code quality and adherence to coding standards.

Software Engineer Volunteer   **Sadhanapada Isha Foundation**   **June 2023– May 2024**
Coimbatore, India

- Engineered an automated web application using Google Apps Script and JavaScript, streamlining participant entry, exit, and support processes, increasing operational efficiency by 30%.
- Designed an app to match participants with facilitators based on issue severity levels, automating the process and improving support resolution times by 25%, resulting in a 20% increase in participant satisfaction.
- Engaged in cross-cultural leadership activities and promoted personal and professional development through disciplined ancient yogic practices, including a rigorous schedule of reflection and journaling, fostering resilience, mindfulness, and strategic thinking.

Software Engineer Co-op and Part-Time   **SkipTheDishes**   **Sep 2021 - May 2023**
Calgary, Canada

- Increased customer retention by 25% through the development and maintenance of engaging features such as challenges, bonuses, and rewards, leading to a 15% rise in user engagement.
- Implemented distributed messaging and microservices architecture using AWS SQS and SNS, resulting in a scalable and decoupled system that improved the reliability and performance of backend services.
- Collaborated with cross-functional teams to build reliable and scalable SaaS solutions and RESTful APIs.

- Utilized Redis for caching and session management, which increased application performance by 40% and improved reliability by reducing server load by 25%.
- Developed comprehensive unit tests for all functions, ensuring 100% coverage of key functionalities and reducing bugs by 20%, which significantly improved overall system stability and reliability.
- Developed a comprehensive Grafana dashboard for team REST API analytics, reducing error identification time by 40% and streamlining system monitoring, which increased operational efficiency by 30%.
- Reviewed and optimized code by removing unused functions, refactoring classes into appropriate packages, and eliminating redundant code, resulting in a 30% improvement in code efficiency and maintainability.

Software Engineer Intern   **Userful**   **June 2021 - August 2021**
Calgary, Canada

- Inspected and documented primary software, websites, and tutorial content, leading to a 25% increase in user satisfaction and a 20% reduction in user-reported issues, significantly enhancing the overall user experience.

Projects

Lead Developer, CLARA : Connecting Local Agencies and Resources Automatically
Llama impact hackathon, San Francisco
- Developed a comprehensive client support application that utilizes VAPI for a proactive AI voice agent, conducting regular check-ins with clients and updating a real-time dashboard for social workers to monitor client progress and make informed decisions.
- Integrated Together AI and Llama to transform complex resource guides into actionable, step-by-step tasks, employing prompt engineering to ensure optimal task clarity and usability for clients, enhancing their progress toward goals.
- Built on Django and Next.js, this application enables seamless multi-agency collaboration, provides clients with timely resource access, and maintains a historical track record, allowing agencies to allocate resources more effectively and support clients in a data-driven manner.

Lead Developer, Food Allergy and Reaction Tracker App
Founder's Inc hackathon, San Francisco
- Developed a mobile app using React Native and Expo that identified allergens and logged user reactions to meals, tracking distress-causing ingredients over time.
- Integrated OpenAI API and Superbase database to analyze user data and identify patterns, enhancing ingredient detection accuracy by 30%.

Developer, Research Paper filter system
X AI Hackathon, San Francisco
- Developed a Python-based system using Grok and the Twitter API to filter twitter feeds for the top 5 relevant research papers each week, significantly reducing time spent on irrelevant papers.

LinkedIn Extractor

- Engineered a web scraping solution using Python and BeautifulSoup to extract team member names and roles from company websites, achieving 95%+ accuracy and optimizing processing speed.

- Integrated SERP API to automate LinkedIn URL retrieval, delivering comprehensive team insights by matching team members to their LinkedIn profiles efficiently.

Restaurant Recommendations System
- Designed and developed restaurant recommendation engine, improving customer ordering experience and boosting retention by providing personalized suggestions.
- Designed and developed a web application prototype with Flask and React, allowing users to select food items from a dynamic menu, receiving an average rating of 8/10 from user surveys.