

Hemanta Thapa

Full-Stack Software Developer

El Sobrante, CA, USA

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<https://github.com/hemanta12>

About

Full-Stack Software Developer with over 6 years of experience building dynamic web applications. Proficient in Java, Node.js, and React, with a proven track record of delivering scalable solutions that enhance user experience and system performance. Adept at working in Agile environments and collaborating with cross-functional teams to drive successful project outcomes. Committed to continuous learning and staying updated with the latest industry trends to consistently deliver high-quality software.

Skills

- **Programming Languages:** Java, JavaScript, HTML, CSS, TypeScript, Python
- **Frameworks & Libraries:** Spring Boot, Spring Framework (Spring MVC, Spring Data), JPA/Hibernate, Node.js, Express.js, React, Bootstrap
- **Tools & Technologies:** RESTful APIs, Docker, Git, AWS, Redis, Tomcat, Jenkins, DevOps, CI/CD
- **Methodologies:** Agile, Scrum, RESTful APIs, UI/UX Design, Test-Driven Development (TDD)
- **Database Management:** MySQL, MongoDB
- **Design Tools:** Figma, Adobe Photoshop, Adobe Lightroom

Experience

HP

San Francisco, CA, USA

Software Developer

June '23 - Present

- Led the development of React-based user interface components, lowering page load times by 30% and improving user experience across web and mobile platforms.
- Designed and implemented RESTful APIs using Node.js and Express.js to facilitate smooth communication between hardware devices and cloud services.
- Assisted in scaling backend services employing Spring Boot, which enabled the platform to accommodate a growing number of enterprise clients.
- Contributed to database performance improvements by tuning MongoDB queries, resulting in reduced latency for real-time data access.
- Played a key role in automating testing processes within the CI/CD pipeline, increasing deployment success rates and decreasing rollback occurrences.
- Participated in Agile ceremonies, including sprint retrospectives and planning, which helped optimize team collaboration and verify feature delivery on schedule.
- Helped secure high availability by assisting with the deployment of microservices on AWS, maintaining service uptime for critical enterprise applications.
- Actively collaborated with security teams to implement best practices in API security, safeguarding data integrity during interactions between HP products and external services.

Ford Motor

San Francisco, CA, USA

Software Developer

March '18 - April '23

- Spearheaded the redesign of FordPass app's frontend with React and JavaScript, which increased customer satisfaction and boosted app store ratings by 15%.

- Developed and maintained backend microservices applying Spring Boot and Node.js, refining vehicle connectivity features and ensuring seamless integration with third-party services.
- Led efforts to streamline MySQL database indexing and schema optimization, cutting query execution times for critical vehicle data by 25%.
- Worked with DevOps teams to set up and sustain a CI/CD pipeline using Jenkins and Docker, ensuring smooth and error-free deployment of software updates across multiple environments.
- Aided in cloud migration efforts by deploying in-car data processing applications to AWS, improving scalability and reducing infrastructure costs.
- Actively participated in cross-team code reviews, enhancing code quality and sharing best practices for continuous improvement in software development processes.
- Developed monitoring tools to track real-time vehicle diagnostics and performance metrics, allowing for proactive maintenance and better customer service.
- Integrated third-party services into FordPass, optimizing data exchanges and enhancing app functionality through seamless external vendor collaborations.

Education

San Francisco State University
Bachelor's Degree | Computer Science

Dec '22

Certifications

- AWS Certified Cloud Practitioner (CCP) – Obtained [Sep, 2024]