

BIBEK SHRESTHA

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SUMMARY

I am a software engineer with a newly acquired master's degree in information technology. With 5 years of hands-on experience, I specialise in web and application development, leveraging Java, Spring, TypeScript, and Angular technologies. My aptitude for rapid learning helps to adapt new technologies and seamlessly transition between different languages, tools, frameworks and domains. I currently hold a post study work visa (485) with unlimited work entitlement.

EXPERIENCE

Data Scientist (Intern) | Truth (Locii Innovation Pty Ltd.), Sydney, NSW, Australia (JULY 2023 - NOV 2023)

- Developed advanced deep learning models to combat fraud in user liveness by enhancing accuracy and reliability.
- Optimised and curated training datasets to elevate the efficacy and performance of the models.
- Documented technical details and findings from the research.

Software Engineer II | COTIVITI NEPAL, Kathmandu, Nepal (AUG 2019 - JAN 2022)

- Collaborated closely with the Product Owner and relevant stakeholders to gather requirements.
- Participated in estimating story sizes and planning a Program Increment (PI) with appropriate workloads within the Scaled Agile Framework (SAFe).
- Participated in cross-functional Scrum teams spanning Nepal and the USA, actively involved in Scrum of Scrums, daily stand-ups, and retrospective sessions.
- Collaborated closely with solution architects to develop personalised solutions for specific challenges and requirements.
- Contributed to the migration of a monolithic web application, originally developed with older versions of Java and the Spring framework using JSF, to a microservices architecture.
- Engaged in feature development and the deployment of RESTful APIs within a microservices paradigm, employing Java 1.8 alongside the latest version of Spring Boot.
- Took part in building and maintaining a reactive Single Page Application (SPA) architecture, employing TypeScript, Angular V2+, and NgRx.
- Developed prototypes and successfully integrated third-party JavaScript libraries into the existing Angular V2+ application.
- Contributed to the development of stored procedures for schema creation and crafted queries to extract analytical metrics from Oracle and Vertica databases.
- Took an active role in ensuring code quality standards by conducting SonarQube analyses and participating in thorough code reviews.
- Facilitated the adherence of source code to OWASP standards by using tools like Veracode.
- Guided and trained new team members, supporting their onboarding and development within the team.

Java Developer | Three Monks Pvt. Ltd., Kathmandu, Nepal (APR 2018 - JUL 2019)

- Collected stakeholder requirements and developed customised solutions accordingly.
- Researched blockchain technology to develop prototype DApps.
- Developed DApps using Solidity smart contracts.
- Engineered an adapter utilising RESTful web services constructed with Java and Spring to interface with the DApps.

- Collaborated with an international team to develop an ERC20 token-based DApps wallet alongside its corresponding web application for seamless interfacing.
- Containerised the web applications using Docker and Docker Compose for streamlined deployment and management.
- Supported and maintained a web application developed with Java, Spring, MySQL server and AngularJS, ensuring its operational integrity.
- Led a six-member team in the development of an e-commerce application, featuring RESTful web services on the backend utilising Java, Spring Boot, and MySQL server, complemented by a Single Page Application (SPA) frontend developed with Typescript and Angular v2+.
- Conducted thorough code reviews to ensure code quality and adherence to industry best practices.

Java/Web Developer | Techtatva Pvt. Ltd., Kathmandu, Nepal (SEP 2016 - OCT 2017)

- Gathered and analysed stakeholder requirements to design tailored solutions.
- Researched VMware's Cloud Management SDK to implement virtual infrastructure management capabilities.
- Developed proprietary Java libraries utilising VMware's Cloud Management SDK to manage cloud infrastructures inside vSphere.
- Developed a RESTful API for seamless communication with the vSphere environment using Java, Spring Boot, and MongoDB.
- Conducted in-depth research on the newly released Angular v2 framework and Typescript to develop a prototype Single Page Application.
- Created a user-friendly Single Page Application for managing vSphere resources, utilising RESTful APIs for seamless interaction.
- Conducted thorough unit testing to ensure the robustness and reliability of the codebase.
- Identified and resolved application issues through effective debugging techniques.
- Collaborated with team members on code reviews to ensure quality and uphold best practices, including SOLID principles.
- Prepared comprehensive user and technical documentation to facilitate understanding and usage of systems and processes.
- Deployed Java applications and Angular-based Single Page Applications (SPAs) using custom deployment scripts to streamline the deployment process.
- Effectively troubleshooted and resolved deployment issues through detailed log analysis and diagnosis.
- Collaborated seamlessly with team members located across different geographical regions to achieve project goals and objectives.

CERTIFICATION

Certified SAFe 5 Practitioner, Scaled Agile (AUG 2021 - AUG 2022)

EDUCATION

Master of Information Technology in Cyber Security (FEB 2022 - DEC 2023)

Macquarie University | North Ryde, NSW, 2109

English Proficiency: PTE 85 (2021)

REFERENCES

References available on request.