ASHISH KARKI

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SUMMARY

Experienced Software Developer with over seven years' experience designing and building enterprise level software. Capable of collaborating with project stakeholders to identify product and technical requirements. Skilled in building user friendly and high performance full-stack applications.

Currently looking to return to full-time workforce in Mid-Senior to Senior roles. I left my last position in the USA to take care of my ailing mother in Nepal. Meanwhile, I have kept learning and building projects on GitHub around JavaScript, Java and Full-stack ecosystems. Selected samples include Machine Learning Certification on Coursera; RESTful Web Services with Spring Boot, Complete React Developer (w/ Redux, Hooks, GraphQL) and Master Kubernetes with Docker on Google Cloud, AWS & Azure on Udemy.

TECHNICAL SKILLS

- ➢ **Web/Mobile/Programming stacks**: TypeScript, React (Hooks, Context API, Redux), Angular, Ngrx, JavaScript, CSS, Tailwind CSS; NodeJS, Npm, ExpressJS, NestJS; Java (with JDBC, JUnit, JSF, Spring Boot, Hibernate); JSON/XML
- ➢ **Databases**: PostgreSQL, SQL Server, MySQL
- ➢ **Tools/Platforms**: Microsoft Azure Cloud, Windows/Mac/Linux OS, Visual Studio, WebStorm, IntelliJ, SVN, Git, GitHub, GitLab, Jenkins, Maven, TeamCity, Octopus, Docker
- ➢ **Concepts**: Agile Scrum, Kanban, SDLC, OOP, MVC, REST, Microservices, Design Patterns, Test-Driven Development, CI/CD, JIRA, Confluence
- ➢ **Self-paced/Personal-projects**: Dart, Flutter, AWS, Kubernetes

PROFESSIONAL EXPEREINCE

Senior Software Engineer

Mimecast North America, Lexington, Massachusetts   March 2018 to June 2019
- ➢ Built next generation email and identity security solutions using Angular, Redux-Reactive concepts and Java. Responsibilities: finalizing design, coding, testing, build and deployment.
- ➢ Worked with DB, API and DevOps teams to deliver end-to-end business solutions.
- ➢ **Identity Provider** project: built modules from scratch which allowed admins to configure access management and the users to employ a Universal Login portal.
- ➢ **Awareness Training** project: upgraded and extended the features that provide effective cybersecurity training for employees and risk management analytics for the admins.
- ➢ Technologies used: Angular, Ngrx, Java, PostgreSQL, GitLab, Jenkins, Scrum and Kanban.

Software Developer

Genscape, Inc., Boston, Massachusetts   April 2015 to Feb 2018
- ➢ Used cutting-edge tools like Angular to re-build the company's flagship web-based tool called **Power Real-Time (RT)** that delivers real-time status of power.
  - ➢ **RT migration** project: Researched all necessary technologies required to move the product from Flex and Java stack to AngularJS and .NET based scalable and robust platform.

- ➢ Understood the current implementation and its limitation. Led discussion and added documentation for implementation-level changes required for the new platform.
- ➢ **RT 5** project: Built widgets with detailed web pages and web services to support them.
- ➢ Widgets developed include Help Tabs, Quick Chart and Power Entity Detail pages.
- ➢ Technologies used: AngularJS, TypeScript, C#.NET, SQL Server, Git, TeamCity, Octopus, Unit Testing, Agile methodology.

Software Engineer
Cerner Corporation, Kansas City, Missouri   Aug 2014 - Dec 2014
- ➢ Worked in the DevCenter Program to display programming, agile and team capabilities.
- ➢ Led the effort on designing and coding the **BigData Log Profiler** project that displayed formatted output from big data tools like Apache Hadoop. Responsibilities included:
  - ✓ Implementing code logic that profiled the data, performed calculations on it and as a final step displayed the data as a Timeseries using Java JFrame package.
- ➢ Technologies used: Java, Maven, Git, GitHub, Jenkins, Crucible, JUnit, Agile Scrum.

Engineering Intern
Varian Security and Inspection Products, Las Vegas, Nevada   June 2013 - Aug 2013
- ➢ Interacted with team members and hardware vendors to collect requirements to build a PC to Microcomputer interface using C#. Created design documents and user manuals.
- ➢ Implemented working code for project **PC104 Microcomputer Interface** from scratch.

Software Engineer
Versend IT (formerly Verisk IT), Kathmandu, Nepal   April 2010 - July 2012
- ➢ Worked on various modules for the flagship Health Analytics Software named **Medical/Provider Intelligence.** Selected highlights:
  - ✓ Implemented and tested business logic for In-out network analyzer module.
  - ✓ Worked on various other modules like Claims, DxCG, Provider Management etc.
- ➢ Guided and trained junior team members. Performed documentation, testing and rework.
- ➢ Was a part of a team that introduced Agile concepts within the company
- ➢ Technologies used: Java, JDBC, PL/SQL, JavServer Faces, JavaScript, CSS and MVC.

Engineering Intern
Versend IT (formerly Verisk IT), Kathmandu, Nepal   Nov 2009 - March 2010
- ➢ Worked with mentors to learn best software engineering practices and develop Undergraduate Major Project named **Automatic Speaker Recognition** (ASR).
- ➢ Technologies used: C#.NET, MATLAB, SQL Server 2008.

EDUCATION

MS in Computer Science, May 2014   **University of Nevada, Las Vegas** - Las Vegas, Nevada
- ➢ Graduate Thesis: **Implementing Influence Diagram Concepts to Optimize Border Patrol Operations using Unmanned Aerial Vehicles (UAVs)**
- ➢ **Graduate Teaching Assistant**: tutoring and mentoring students on Linux, Java and C++.

Bachelor's Degree in Computer Engineering, May 2010   **Tribhuvan University** - Lalitpur, Nepal