Ajan Lal Shrestha
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Objective

Take on new challenges, learn, grow every day and work with the brightest mind of IT

Core Competencies / Technical Skills

Dedicated Software Engineer / Lead Architect with more than 8 years of experience designing a robust and scalable system, contributing to major projects, enhancing software development process and implementing CI/CD pipelines along with DevOps cultural transformation. Strong engineering professional with 6 years of SIEM domain knowledge. Well versed in web applications and web services, systems design, software architecture, software development methodologies. An effective problem solver with a proactive approach to identifying and analysing issues, designing a robust and scalable system, automate the deliveries and drive DevOps culture. Adept at ensuring desired outcomes using analysis and problem skills, detailed planning and post-implementation monitoring to achieve success. A strong believer in DevOps culture and enthusiast in the DevOps movement.

• Web Applications • Web Services • Systems Design • Security Information and Event Management (SIEM) • Microservices • Software Architecture • Design Automation Pipelines • Design Build Pipelines • Web Scraping • Data Analysis • Object-oriented Programming • REST • Agile Methodologies • Analysis and Problem Solving Skills • Intrinsically Motivated • Strong Work Ethics • Software Craftsman • Easily Adaptable • Interpersonal Communication • Self-Awareness • Time Management • Leadership • Composure • Teamwork • Emotional Intelligence • Coachable and Accountable • Customer Focus

Languages: Javascript, Python, Node.js, Bash, Golang(learning)
Tools & Technologies: React, Redux, Express.js, Flask, Docker, Git, Jenkins, MongoDB, PostgreSQL, Jira, Trello, Github, Bitbucket, Gitlab, Hapi.js, RxJS, d3.js, ArangoDB, Nginx, Gunicorn, pm2, Apache Zookeeper, Django, Kerberos, HDFS, SonarQube, Skrill, Sparrow SMS, etc
Cloud Platforms: AWS (learning)
SDLC: Agile with Scrum, Kanban

Professional Experience

LOGPOINT
LALITPUR, NEPAL
https://www.logpoint.com

SENIOR SOFTWARE ENGINEER (LEAD ARCHITECT)   **JAN 2018 -DEC 2019**

Responsibilities
- Design the MSSP (Managed Security Service Provider) product modules to remotely monitor and manage LogPoint (SIEM solution).
- Groom the team and other developers to follow the best practices. Share experiences and failures and ways to overcome them. Acclimatize new hires to the company culture. Establish a learning culture and environment.
- Involved in envisioning the roadmap of product modules, especially the technical part of EM, VP and for non-technical to product management
- Overall responsible for Quality of code
- Technical support to the engineers working on the product modules
- Facilitate estimate of tasks, bug-triage and other discussions on the maintenance and development of the product modules; coordinating with the relevant stakeholders EM's, PM's and PO's
- Provide input to EM's regarding performance review of engineers under the span of control
- Conduct in technical interviews
- Provide input and advice to EM, PO and PM's in related matters as needed

Achievements
- Designed the incoherent design to manage a range of LogPoint(remote machine) in different versions
- Designed and implemented the build pipeline - build/test/deploy, shipped the product in docker images enabling faster automated builds and shippable product
- Designed the Schema based dynamic Web Forms
- Design the token-based authentication for normal, LDAP and ADFS
- Involved in a major upgrade of Python 2 to 3, MongoDB and other technologies
- Part of the Gartner Magic Quadrant team 2019. Looked into all the technical aspect of the overall SIEM offerings provided via LogPoint

SENIOR SOFTWARE ENGINEER   **JUN 2016 - DEC 2017**

Responsibilities
- Develop the MSSP(Managed Security Service Provider) system on top of LogPoint (SIEM solution)
- Design the MSSP enterprise system along with Lead Architect
- Provide input in the design of the MSSP enterprise system to lead architect
- Improve the product architecture by participating in monthly architecture meeting
- Coordinate with the Team Lead on current programming tasks
- Collaborate with other developers to design and implement features
- Participation in technical interviews
- Provide training to new hires about the product
- Refactor the legacy codes. Transformed the legacy codes in LogPoint to support RESTful API.
- Research new tools and technologies. Understood zookeeper working mechanism i.e. write once read many times the hard way.
- Align team as per our agile culture. A firm understanding of Scrum Methodology.
- Contribute to technical design documentation

Achievements
- Involved in the design of enterprise license for distributed system
- Subscription system for the analytics system. This allowed MSSP to access analytics - dashboard, reports, alerts from a single view

• Involved in the design phase of GDPR compliant data privacy

DOORSTEPS PVT LTD - [STARTUP]
LALITPUR, NEPAL

CO-FOUNDER   **FEB 2015 - APR 2016**

<u>Responsibilities</u>
• Planning and developing the strategy for the product (Home Repair)
• Provided the digital platform (website) to communicate with customer
• Developed task management platform – Admin side and Customer side
• Responsible for all the in-house operations - taking the new task, selecting the employee for the task, requirement analysis of clients and sending quotations
• Responsible for HR Task - recruitment, remuneration, training (customer handling, new technology), develop policies and termination
• Responsible for Customer service - dealing with customers, send estimates, invoices and quotations.
• Responsible for Administrative task - taking calls, employee contract, maintain inventories

<u>Achievements</u>
• An invaluable experience on starting from an idea of executing to and the ups and downs that goes in a startup
• Developed inbuilt simple custom project management tool to incorporate day to day task and strategy formulation
• Integrated SMS (Sparrow SMS) system into our task management to notify customers for task creation, in progress and completion
• Designed and implemented the pricing model

EARTH & CO - [STARTUP]
CANADA BASED
https://angel.co/company/questr-co

CORE DEVELOPER   **JUN 2014 - FEB 2015**

<u>Responsibilities</u>
• Planned and designed the overall architecture of the system according to the strategy and business requirement
• Develop a social platform where people can find a delivery person and interact to deliver packages [Questr]
• Research and bring new ideas to the table. Filter and streamline the product vision.
• Convert the business requirements into product features
• Design and develop REST API for iOS app

<u>Achievements</u>
• Develop a dynamic algorithm for pricing of delivery
• Learned iOS development - swift. Developed a working prototype

LOGPOINT
LALITPUR NEPAL

SOFTWARE ENGINEER   **DEC 2011 - OCT 2014**

<u>Responsibilities</u>
• Involved in full life cycle development process for software application
• Identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods
• Produce specifications and determine operational feasibility
• Testing, debugging, diagnosing and correcting errors and faults in an applications programming language within established testing protocols, guidelines and quality standards to ensure programs and applications perform to specification
• Writing, updating and maintaining technical program, end-user documentation and operational procedures
• Initially involved in the thorough testing of version 5.0.0 (Major Release)
• Learned about log fetching, tagging, storing and management
• Learned how security can be applied to the events registered in logs through correlation and conditions
• Designed and implemented the API to serve web UI
• Involved in developing web GUI and enhancing the user experience

<u>Achievements</u>
• Planned and executed a dynamic workflow (Class-Based) instead of flask URI based default design
• Involved in designing and implementing the plugin interface and plugin artefacts
• Implemented the multi-tenant structure in the application
• Implemented the role-based access control for all the tenant user

Education

Ace Institute Of Management Kathmandu, Nepal	MBA	2018
Institute Of Engineering Pulchowk, Nepal	B.E. in Computer	2011

Professional Development

- Certified Ethical Hacking Training (July 2014)
- LogPoint Agile Foundation Program (Dec 2016)
- Soft Skills Development Program (Communication, Presentation & Interpersonal Skills) (Aug 2018)
- LogPoint Agile Foundation II Program (Jan 2019)

Awards and Achievements

- As a Judge in Locus - National Technological Festival (Feb 2017)
- Lead the Coding competition Locus National Technological Festival - Tribhuvan University (Feb 2018)
- Lead the Coding Competition - Kathmandu University (Jan 2018)

Other Training and Courses

• Web Applications • Training Course AWS Certified Developer - Associate Level • AWS Concepts • AWS Essentials • DevOps Essentials • Docker Deep Dive • Serverless Concepts

References

Available on Request