Samar D Acharya

Software & Cloud Architect, Technology Leader

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English, Nepali, Hindi

BACKGROUND

ABOUT

Born in Nepal and currently living in Kansas City, USA, I am a self-motivated, challenge seeker, problem solver, avid hacker, reliable and passionate individual and technology leader with sharp learning curve and dedication to building highly available and reliable applications and systems. I have been leading major technology decisions for my last few companies and helping drive the strategic decisions around the technology.

WORK EXPERIENCE

Cloud Application Architect, Principal Engineer, Zego (Powered by PayLease)

Nov, 2019 - Present

Zego (Powered by PayLease) provides property management services and solutions such as payment, billing and smarthome systems

- Work with VP of engineering, directors and tribe leaders and product team on strategic growth and platform maturity
- Work with various teams for architectural foundations of systems built
- Work with various teams for Cloud Native initiatives
- Review various architectural proposals on high-level system design and code implementations
- Provide leadership guidance for smart and engage initiatives
- Manage cloud platform of Zego
- Engage for technical dilligence in M&A efforts

- Work with security group and provide code reviews and perform internal pentests

Lead Software Architect, PayLease

May, 2019 - Nov, 2019   6 months

PayLease provides property management services and solutions such as payment, billing and smarthome systems

- Played pivotal role in integrating Zego's existing infrastructure and application with PayLease
- Implemented a lot of optimization and enhancements with new volume of data after acquisition on Zego applications
- Managed cloud platform of Zego

Lead Software Architect, Zego, Inc.

Jan, 2017 - May, 2019   2 years 4 months

Zego was a smart-home solution custom built for multi-family and was acquired by PayLease in May 2019

- Managed and maintained infrastructure and application
- Led a team of engineers to build successful cloud and device solutions
- Managed cloud platform of Zego
- Helped company make successful exit by building solid technical foundation
- Built all the various smart home voice integrations of Zego
- Architected and implemented third-party property management and payment integrations

DevOps Engineering Manager, Brightergy, LLC

Sep, 2014 - Dec, 2016   2 years 4 months

Brightergy, LLC was a clean energy company with a vision to utilize technology to be able to collect vast amount of energy data and turn them into actionable intelligence. Leveraging the power of IoT, the technology team is utilizing range of platforms, programming languages, databases and cloud to build such energy platform.

- Wrote backend api and device code in elixir and python
- Led a team of engineers to build successful cloud and device solutions
- Managed cloud platform of BrighterLink, the energy platform including scaling, high availability, security and resilience at all level
- Designed the solutions and implementation details for various core business features

Chief Technology Officer, Techgaun Nepal Pvt. Ltd.

Dec, 2013 - Aug, 2014   8 months

Techgaun was a startup with focus on building local data analysis platform as a Product while sustaining itself via the outsourcing work.

- Led a team of developer to build data analysis platform for local business data
- Designed, implemented and delivered solutions for the clients

Release Engineer, Deerwalk, Inc.

May, 2013 - Dec, 2013   7 months

Deerwalk, Inc. develops solutions for data analysis and management of US healthcare. The vast amount of data are turned into actionable insights and intelligence and used for patient care, insurance assessment, etc.

- Built a highly flexible deployment environment
- Implemented local dev environment with dummy data generation for several large-scale projects
- Performed security assessment against various projects

SKILLS

DevOps

Ansible | Amazon Web Services | Google Cloud | Docker | Heroku | Micro-services | Puppet | Linux | Windows | NoSQL | RDBMS | Kubernetes

Web backend development

Elixir | Phoenix | REST | Message Queues | Node.js | Python | Platform Security | PHP | NoSQL | RDBMS | MEAN | Alexa | Google Actions | Kafka

Architecture

Domain Driven Design | Microservices | Service-oriented architecture | Enterprise Integration | Low Latency Systems | Distributed Systems

Frontend Development

HTML | CSS | Javascript | AngularJS | D3.js | Highcharts | Bootstrap | React

EDUCATION

Computer Engineering, Bachelor, Kathmandu University

Aug, 2009 - Dec, 2013

3.68 - A in computer related courses

Computer Graphics | Compiler Design | Computer Systems Architecture | Principles of Programming Languages

VOLUNTEER WORK

Technical Co-ordinator, Help Nepal Network

Jan, 2012 - Dec, 2012

The largest charitable network of Nepalis, HELP NEPAL Network: One Dollar a Month Fund for Nepal is a global charity run on a fully voluntary basis. Help Nepal Network runs a educational project with a goal of deploying one electronic library per district.
- Led a team of volunteers to deploy electronic library using LTSP and provided training to the students
- Developed a complete solution to automate the deployment of electronic library

Network Engineer, Kathmandu University Boys Hostel

May, 2012 - Oct, 2013

I maintained and managed internet connectivity and network of more than 200 hosts in a hostel network.
- Built an automated traffic shaping utility and firewall policy
- Developed and implemented various network security measures for ethernet and WiFI network

INTERESTS

Computer Security

Exploit development | Web security

Mathematics

Statistics & Probability   Calculus   Algebra   Numerical Methods

Sports

Football (Soccer)   Table Tennis (Ping Pong)   Juggling