Nayan Seth

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http://github.com/nayanseth/

WORK EXPERIENCE

Cisco Systems Inc. — San Jose, CA, USA
Senior Software Engineer — 07/21
Software Engineer III — 08/19 - 07/21
Software Engineer II — 08/17 - 07/19

- Developed features to enable network automation i.e. CLI configuration on routers and switches in an enterprise campus network using **Software Defined Networking**
- Designed & developed micro-services using **RabbitMq, Java Spring, Docker and Kubernetes** to enable network automation at scale
- Developed **RESTful APIs** to process, validate, persist and transform user intent to device configs
- Developed **distributed system** features to enable access control policies across geo-located clusters
- Triaged issues via heap dumps and performance monitoring tools to resolve scale & performance issues
- Built a generic data verification framework for unit tests using **Java 8 lambdas**
- Saved more than 1000 hrs of development time by developing **Python automation scripts** to increase productivity of fellow colleagues
- Mentored several software engineers and brought them at par with my skill level
- **Patent** Underlay Network Formation (US10721133B2) granted on 21st July, 2020

Ericsson Inc. — Santa Clara, CA, USA
Software Develoment Intern — 05/16 - 08/16

- Developed an interactive demo in Mixed Reality and Virtual Reality which was showcased at IBC 2016

EDUCATION

Ira A. Fulton School of Engineering, Arizona State University — Tempe, AZ, USA
Master of Science, Computer Science — 08/15 - 05/17

- **GPA** 3.7/4
- **Thesis** Real Time Cross Platform Collaboration between Mixed & Virtual Reality

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai — Mumbai, MH, IN
Bachelor of Enginerring, Computer Engineering — 08/11 - 06/15

SKILLS

- **Languages** Java, Python, C#, R, HTML, CSS, JS, PHP, C, AppleScript
- **Frameworks** Java Spring, Hibernate   **Databases** PostgreSQL, MySQL, MongoDB
- **Messaging** Kafka, RabbitMq   **OS** macOS, Linux Kernel, Windows
- **Version Control** Git   **Virtualization** VMWare, ESXI, KDE
- **Testing** TestNG, JUNIT   **Cloud** Kubernetes, Docker, Elasticsearch

PROJECTS

- **Twitter Tweet Analyzer** Built an app using **Kafka** to get a stream of tweets from twitter which will be eventually dumped in elastic search for further analysis
- **VR Cricket** Built a game of cricket for Virtual Reality using **Unity3D** game engine
- **Astra** Built a game for VR using Unity3D with hand tracking capabilities using leap motion
- **VR Headset** Built an economical VR headset which tracks head movements using 3 Point LED tracking system and can be integrated with Unity3D game engine
- **Tobii Car Modeling** Built an app on top of Tobii to enable a disabled person to model a car
- **eCommerce** Built an e-commerce web app using **PHP** and **MySQL**
- **SDN** Built a load balancer for open source SDN frameworks like Open Daylight and Floodlight
- **XSS Lib** Built a library for developers to sanitize input to prevent cross site scripting

MILESTONES

- **YouTube Partner** One of the first 40 YouTube Partners in India. Garnered more than 3 million views and 10,000+ subscribers
- **Book** Published a book on AppleScript which has been downloaded over 15,000 times