

## WORK EXPERIENCE

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**Shindig Inc.**, Video Chat Events Platform | New York, NY

**Senior Developer**

Jan 2017 - Present

- Managing and architecting cloud infrastructure and solutions – such as using Lambda functions and CloudWatch events to monitor the system and automating schedules for Ec2 instances; developing new API endpoints to support new features
- Developing automated end to end testing framework using Selenium Grid in the cloud

**New York University**, Information Technology Services | New York, NY

**Full Stack Developer**

Jan 2016 – Jan 2017

**Web Publishing Consultant**

Apr 2014 - Dec 2015

- Launched a Web Publishing service, which became second largest tech service in teaching & learning at NYU within 2 years
- Developed WordPress plugins to solve several customization, security and integration requirements
- Other responsibilities - optimizing databases; setting up development environments; managing deployments during maintenance schedules; migrating to new hosting provider; and generating weekly reports

**Nokia Networks**, CTO Innovations Team | Bangalore, India

Jun 2010 - Oct 2013

**Research & Development Engineer**

- Invented and patented block-scheduling method to improve mobile user uplink capacity by two times
- Implemented Hotpatching solution as a reboot reduction initiative, which seeks to help minimize the need for a full application or system reboot after installing updates for the software patches to telecom software
- Evaluated and deployed a simplified application layer protocol for remote management of LTE components

## EDUCATION

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**New York University** | New York, NY

Jan 2016

**Master of Science in Computer Science**

- Relevant coursework: Cloud Computing, Big Data Analytics, Cryptography, Information & Application Security, Data Structures, Design & Analysis of Algorithms, Mobile Application Programming

**Nirma University** | India

May 2009

**Bachelor of Technology in Information Technology**

## TECHNICAL SKILLS

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- Programming Languages/ Platforms:** Java, Python, C++, PHP, MEAN stack, Shell, Android, R, WordPress, Hadoop, Linux
- Protocols/ Architecture:** XML, HTML, TCP/IP, ReST, SOAP, WebRTC
- Databases:** SQL, Mongo
- Tools, Frameworks & Services:** Git, Eclipse, Sublime Text, Wireshark, AWS, Hibernate, Spring, Chef, Vagrant, VirtualBox

## HONORS & PUBLICATIONS

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- US Patent US20140126481:** A block scheduling method for scalable and flexible scheduling in HSUPA system
- Co-authored a whitepaper on block processing techniques to scale scheduler operation in cellular systems
- Merit-based Graduate Innovation Fellowship (\$5000/semester) for NYU's MS in Computer Science program
- Speaker at WPCampus Online: Effectively manage and scale WordPress multisite and importance of insights ([bit.ly/wpcomultisights](http://bit.ly/wpcomultisights))

## PROJECTS

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**Selenium Grid in the Cloud**

Python, AWS, Selenium

- Set up automated browser based end-to-end testing framework for Shindig
- Used selenium grid with scalable nodes to load test Shindig's video event service

**Slack command for Shindig**

Angular.js, AWS – API Gateway, Lambda, RDS

- Create new shindig events from Slack with /shindig. Uses API Gateway, Lambda function and RDS.

**Twitter Data Mining & Visualization - <http://bit.ly/twtvis>**

Java, MapReduce, Node.js, AWS

- Built prediction model using machine learning from movie reviews and used it for sentiment analysis using R program on the tweets collected using Twitter streaming API and stored in MongoDB on AWS EC2
- Developed an application using socket.io and SQS to track trending topics of all the countries and allow users to visualize tweets for a selected topic as a heat-map on the world-map

**WP-Network-Stats - <https://wordpress.org/plugins/wp-network-stats>**

PHP, MySQL, WordPress, D3

- Published a WordPress plugin that allows network admins to view and export useful network statistics & notify admins of any issues or updates

**Lifx Ambilight for Kodi - <https://bit.ly/kodilifx>**

Python, IOT

- A Kodi (Media Center) add-on that controls Lifx (multi-color, Wi-Fi enabled LED) lights
- In Ambilight mode, the add-on turns the lights in a room-sized Ambilight (Changes colors based on onscreen image). In Theater mode, it dims the Lifx lights as soon as a video starts playing, and turns the lights back to original settings once it stops