

## EXPERIENCE

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<b>Associate Technology</b>	<b>Zenatix Solutions, Gurugram</b>	<b>Aug 2017 - Present</b>
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### Core Infrastructure

- Centralized logging infrastructure using Elasticsearch, Kibana, Fluentbit
- Centralized metrics monitoring infrastructure using Prometheus, Influx, Grafana, Telegraf, Alertmanager
- Added Kong API Gateway for ingress traffic resulting in only single use of static IP for all public access
- Moved cronjobs to Airflow job orchestrator which resulted in 50% decrease in report generation time
- Ported all services to Kubernetes reducing cloud bill by 70%

### Business Logic

- Added MQTT Broker, Kafka Broker and Druid for data pipeline
- Implemented GraphQL as the default communication protocol between microservices
- Migrated from monolithic architecture to microservices architecture
- Documentation, code cleanups and package upgrades resulting in faster development time
- Managed a team of 3 people increasing performance by coaching and tech sessions

<b>Software Developer</b>	<b>CISO Cybersecurity, Gurugram</b>	<b>Dec 2016 - July 2017</b>
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- Implemented face detection using Viola-Jones Algorithm, corner detection using fixed points, Live Video Streaming using ffmpeg with scripting in python and product development using Java, Spring and Java-FX
- Stack: MySQL, Redis, Java, Spring, Python, REST

<b>Teaching Assistant</b>	<b>IIIT Delhi</b>	<b>Aug 2015 - Nov 2016</b>
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- Published paper on project Sangoshti: <https://doi.org/10.1145/3038912.3052624>
- Courses: Network Security, Computer Networks, Mobile Computing

## PROJECTS

- **Sangoshti:** Created an Android application that combines Internet and IVR technology to host real time training sessions with the Community Health Workers (CHW) having access to basic phones only.
- **Personal Website:** Created using Jekyll and hosted in GitHub Pages
- **Regex CrossWord:** <https://github.com/deepaksood619/RegexCrossword>

## EDUCATION

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<b>M.Tech. (CSE) - CGPA 8.0</b>	<b>IIIT, Delhi</b>	<b>2015 - 2017</b>
<b>B.E. (CSE) - CGPA 8.74</b>	<b>SSITM, Bhilai</b>	<b>2011 - 2015</b>

## EXTRA-CURRICULAR AND AWARDS

- Project Sangoshti was awarded 100000 USD from Bill & Melinda Gates Foundation
- Winner of Bio-Bytes contest using biopython for protein Sequencing
- Completed Kangra X-country Run 32KM in 3:23:36

## LANGUAGES AND TECHNOLOGIES

- **Languages** - Python, C++, Java, Regular Expressions
- **Markup languages** - HTML, CSS, JSON, YAML, GraphQL
- **Frameworks** - Django, Flask, Android, Spring, Angular, React
- **Tools** - Kubernetes, Docker, Git, Jenkins, Ansible, Terraform, Helm
- **Technologies** - Kafka, MQTT Brokers, Elasticsearch, Prometheus, TICK Stack, Airflow, Kong
- **Databases** - Postgres, InfluxDB, MongoDB, Redis, Cassandra, Druid
- **Others** - Distributed Systems, Data Structures, Algorithms, Networking, AWS, Google Cloud, Azure, IoT