

## AWARDS / ACHIEVEMENTS

---

- Excellence Award, Cerner Q1 2017
- Leadership Development Program (DevArc), Cerner (In-progress) May 2017
- Above & Beyond Awards (3 Awards), Cerner Feb 2014, May 2017 & Sept 2017
- Client Satisfaction Ping Awards, Cerner 2014-2015
- ECE Fellowship Award, George Mason University Apr 2013

## CERTIFICATIONS

---

- Amazon AWS Certified Solution Architect – Associate Oct 2017
- Edureka Certified Spark, Hadoop & R developer 2014-2015
- Deep Learning Specialization, Coursera (In-progress) Aug 2017

## WORK EXPERIENCE

---

### Senior Software Engineer, Cerner, KS, USA

Team – *Strategy & Analytics* Oct 2015 - Present

- Built Machine Learning/AI models to route support tickets (CNN - Tensorflow), predict physician whereabouts and nurse shift schedules, predict client satisfaction, detect unusual user workflows (YOLOv2).
- Built scalable, real-time, RESTful analytics apps using Node.js (ES6), Socket.io, Knockout.js.
- Built real-time event processing using Kafka, Microsoft Azure Serverless functions, MongoDB, Python & Node.js.
- Built new Graph DB, Elasticsearch DB & HP Vertica based backends. Leveraged existing SQL Server DB backends.
- Built an experimental Hadoop cluster from unused hardware for the R&D team for client build analytics.
- Languages used: **Javascript (ES6), Python, Java**, C# (some), R, SQL.
- Technologies used: Azure cloud, Node.js, ElasticSearch/Kibana, SQLServer, Redis, Kafka, Avro, Nginx, WebSockets.

Team – *Nursing Integration Services* Jun 2013 – Oct 2015

- Performed detailed RCA, coded Java packages, handled escalations 24x7 while meeting all KPI's/metrics.
- Logged Change Requests, drove technical investigations, enhancements, design changes with multiple teams.
- Languages used: **Java**, Javascript, SQL, CCL, C++, HTML/CSS, Oracle DB & query performance optimization.

**Lead Graduate Teaching Assistant**, George Mason University, VA, USA Aug 2011-May 2013

- Co-ordinated all GTA activities & maintained ABET standards. Reported to the ECE Chairman.
- Taught MATLAB for the Signals & systems course, set quizzes, graded HW & proctored exams.

**Trainee Service Supervisor**, Weatherford OTME Ltd., Mumbai, India Jul 2008 – May 2010

- Executed high value international MWD & Thru-Tubing field assignments for Major Oil field clients.
- Provided Supervision, maintenance, support & end to end field engineering services for high stake projects.
- Managed direct client engagements & field operations independently in a fast paced, high risk environment.

## TECHNICAL SKILLS

---

<b>Programming Languages</b>	Java, JavaScript (ES6), Python, R, Scala (Basic)
<b>Web Development</b>	Node.js, Django, Servlets, Socket.io, Knockout.js, Angular, Nginx
<b>Databases</b>	SQL Server, Oracle, Redis, Elasticsearch/Kibana, Neo4j
<b>Data Science / Big Data</b>	ScikitLearn, Tensorflow, Keras, Hadoop, Spark
<b>Cloud / DevOps</b>	AWS, Docker, Vagrant, Agile

## EDUCATION

---

<b>Master of Science, Computer Engineering</b>	George Mason University, VA, USA	May 2013
<b>Bachelor of Engineering</b>	Electronics & Telecom, University of Mumbai, India	May 2007