Snehil Wakchaure

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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 physican 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, ElasticSeach/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

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

EDUCATION

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