

# Snehil Wakchaure

Full-Stack | Cloud | ML & AI | Big Data

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## AWARDS / ACHIEVEMENTS

- Excellence Award, Cerner Q1 2017
- Leadership Development Program (DevArc), Cerner May 2017 – May 2018
- Above & Beyond Awards (3 Awards), Cerner Feb 2014, May 2017 & Sept 2017
- ShipIT Hackathon 2nd place winner, Cerner March 2018
- Client Satisfaction Ping Awards, Cerner 2014-2015
- ECE Department Fellowship Award, George Mason University Apr 2013

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate Oct 2017
- Edureka Certified Spark, Hadoop & R developer 2014 – 2015
- Deep Learning Specialization, Coursera (*In-progress*) Jan 2018

## WORK EXPERIENCE

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

*Strategy & Analytics team* Oct 2015 – Present

- Built ML/AI models in Python for video anomaly detection, triage support tickets, physician shift, client surveys.
- Built a Big Data analytics system using Hadoop to process raw cross-client medical EHR data (70TB per day).
- Saved 9.3 FTE time per year by building end-to-end, scalable, real-time RESTful NodeJS web-applications.
- Reduced 90% clicks, 60% time by building AWS & SMART on FHIR based patient safety reporting for clinics in EHR.
- Reduced latency by 30mins by consuming Kafka events using Azure Serverless, CosmosDB, Python/NodeJS.
- Led adoption of ES6 standards, GraphDB, AWS cloud, ELK based user tracking, regular code reviews.

*Nursing Integration Services team* Jun 2013 – Oct 2015

- Performed detailed RCA, coded Java packages, handled escalations 24x7 while meeting all KPI's/metrics.
- Drove code investigations, logged Change Requests, enhancements, design changes with IP teams & clients.

### Lead Graduate Teaching Assistant, George Mason University, VA, USA Aug 2011 – May 2013

- Helped the ECE Chairman secure ABET accreditation & managed all related GTA activities for the department.
- Taught MATLAB for the Signals & Systems course lab, set quizzes, graded homework and proctored exams.

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

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

## TECHNICAL SKILLS

Programming Languages	Java, JavaScript (ES6), Python, R
Web Development	Node.js, Servlets, Socket.io, Knockout.js, Angular, Nginx, HTML, CSS
Databases	SQL Server, Oracle, Redis, Elasticsearch/Kibana, GraphDB
Data Science / Big Data / Cloud	SKLearn, Tensorflow, Keras, Hadoop, AWS/Azure, Docker, Vagrant

## EDUCATION

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