# Snehil Wakchaure

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

## INVENTIONS / PATENTS

- A Big Data analytics system to perform process mining on patient medical records    *(In-progress)*   2019

## AWARDS / ACHIEVEMENTS

- Excellence Award, Cerner                                                                                Q1 2017
- Leadership Development Program (Manager), Cerner (Executive nomination)                                Apr 2019
- Leadership Development Program (Architect), Cerner (Via executive nomination)           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

## WORK EXPERIENCE

**Senior Software Engineer***, Cerner, KS, USA*

*Platforms & Scaling team*                                                                   *Apr 2019 – Present*
- Building new business as lead architect for an innovative Big Data analytics system built from scratch (Hadoop)

*Strategy & Analytics team*                                                                  *Oct 2015 – Mar 2019*
- Saved 14.3 FTE hrs/year by building a scalable, real-time, RESTful ticket management full-stack portal in NodeJS
- Built POCs to reduce latency by 30mins (Kafka, Azure). Built AI models for video anomaly detection, ticket triage
- Led adoption of AWS cloud, ES6 standards, GraphDB, 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
- 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
- Executed onshore & offshore international MWD & Thru-Tubing field assignments for major Oil & Gas clients

## TECHNICAL SKILLS

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|---|---|
| **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, TF/ Keras, Hadoop, Hive, Crunch, AWS/Azure, Docker, Vagrant |

## EDUCATION

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