Snehil Wakchaure

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

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INVENTIONS / PATENTS

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

AWARDS / ACHIEVEMENTS

- Managerial Leadership Program, Cerner *(200 of 2526 applicants selected)* — 2020-2021
- Distinguished employee, Cerner *(top 3% of 30,000 employees)* — 2018-2019
- Excellence Award, Cerner — Q1 2017
- Architect Leadership Program, Cerner *(100 of 2000 applicants selected)* — 2017-2018
- Above & Beyond Awards (3 Awards), Cerner — 2014-2017
- ShipIT Hackathon 2nd place winner, Cerner — March 2018
- Client Satisfaction Ping Awards, Cerner — 2014-2015
- ECE Dept. Graduate Fellowship Award, GMU, VA — Apr 2013

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate — Oct 2017
- Edureka certified Spark, Hadoop & R developer — 2014-2015

WORK EXPERIENCE

Associate Lead Software Engineer, Cerner, KS, USA

Insights R&D & Innovations Dev team — Apr 2019 – Present
- Project lead to design/build a patented petabyte scale Process Intelligence platform from scratch (AWS, Hadoop)
- Goals: Improve clinical workflows/patient safety, define/catalogue clinical processes, establish global benchmarks

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, *Signals & Systems course*, GMU, VA, USA — Aug 2011 - May 2013
- Managed all GTA activities, helped the ECE dept. secure ABET accreditation, taught Matlab, set/graded quizzes

Trainee Service Supervisor, Weatherford OTME Ltd., Mumbai, India — Jul 2008 - May 2010
- Provided Supervision, maintenance, support & end-to-end field engineering services for very high-stake projects
- Executed MWD/Thru-Tubing field services in a fast-paced, high-risk onshore environment for Oil & Gas clients

TECHNICAL SKILLS

Skill levels: Current Experience (CX), Prior Experience (PX)

Programming Languages	Java 8 *(CX)*, JavaScript *(PX)*, Python *(PX)*, R *(PX)*
Web Development	Node.js *(PX)*, WebSockets *(PX)*, KnockoutJs *(PX)*
Databases	RDBMS (Oracle, MySQL) *(PX)*, NoSQL (ElasticSearch) *(PX)*, Redis *(PX)*
Big Data/Cloud	Hadoop *(CX)*, Oozie *(CX)*, Hive *(CX)*, Crunch *(CX)*, AWS *(CX)*
DevOps/Data Science	Docker *(PX)*, AWS CloudFormation *(CX)*, SKLearn *(PX)*, TF/Keras *(PX)*

EDUCATION

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