Snehil Wakchaure

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

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INVENTIONS / PATENTS

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

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

WORK EXPERIENCE

Senior Software Engineer, Cerner, KS, USA

Strategy & Analytics team, R&D team   *Oct 2015 – Present*
- Building new business as lead architect for an innovative Big Data analytics system built from scratch (Hadoop)
- Built ML/AI models in Python for video anomaly detection, triage support tickets, physician shift, client surveys
- Saved 9.3 FTE hrs/year by building end-to-end, scalable, real-time RESTful NodeJS full-stack web-applications
- Built POC to reduce 90% clicks, 60% time by building AWS & FHIR based patient safety reporting for clinics in EHR
- Built POC to reduce latency by 30mins using Kafka events, 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
- 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

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

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