Snehil Wakchaure

Full-Stack | Machine & Deep Learning | Cloud

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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
• Mentor for new engineers (DevAcademy), Cerner	*(In-progress)* Q1 2018
• Client Satisfaction Ping Awards, Cerner	2014-2015
• ECE Department Fellowship Award, George Mason University	Apr 2013

CERTIFICATIONS

• Amazon 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

Team – *Strategy & Analytics*   Oct 2015 – Present

- Built ML/AI models for video anomaly detection, triage support tickets, physician/nurse schedules, client surveys.
- Saved 9.3 FTE time savings per year by building end-to-end, scalable, real-time RESTful NodeJS applications.
- Reduced 90% clicks, 60% time by building SMART on FHIR & AWS based patient safety reporting for hospitals.
- Reduced latency by 30mins by consuming Kafka events using Azure Serverless, CosmosDB, Python/NodeJS.
- Led the team to adopt ES6 standards, GraphDB, AWS cloud, ELK based user tracking, regular code reviews.
- 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/AWS, Docker, NodeJS, ElasticSeach/Kibana, SQLServer, Redis, Kafka, Nginx, Tensorflow.

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

- Helped the ECE Chairman secure ABET accreditation for the department. Managed all GTA activities.
- Taught MATLAB for the Signals & Systems course, 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
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