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SANDEEP NADELLA

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SUMMARY

Professional Cloud Application Engineer with three years of experience seeking full-time opportunities starting May 2020

EDUCATION

Master of Computer Science (MCS), Computer Science   **August 2018 - May 2020**
Arizona State University (ASU), Tempe; United States   GPA: 4.11/4

Bachelor of Technology (B.Tech), Electronics and Communication Engineering   **July 2011 - May 2015**
National Institute of Technology, Warangal (NITW); India   GPA: 8.12/10 (≈ 3.8/4)

TECHNICAL SKILLS

Programming Languages: Java *, JavaScript, HTML5, CSS, SQL, Python
Technologies, Libraries, Tools: Cube.js, Node.js, D3.js, Chart.js, Bootstrap, Angular (TypeScript), JSON Web Tokens (JWT), OAuth, Oracle ATG Web Commerce platform, J2EE and Web design, development essentials, REST and SOAP web services, JSON/XML, Claudia.js, Amazon Web Services (AWS), AWS Lambda, API Gateway, Android App Development SDK, MATLAB, XSLT, Jasmine testing, Selenium IDE, JUnit testing, MySQL, PostgreSQL, Python – Django framework, TensorFlow APIs, Git, Perforce code version control tools, Gradle, Maven build tools, OpenCV, Docker, Tableau, Google Firebase, ML Kit, Spotify SDKs, Axure RP for Prototyping
Operating Systems: Windows, MacOS, Android, iOS, Linux (Debian, RedHat)

PROFESSIONAL EXPERIENCE

Arizona State University, Tempe: Full Stack Software Developer   **January 2019 – Present**
- Built Analytics applications for SoMSS, AMLSS departments, MTBI program using Node.js, Angular, Cube.js
- Developed core application features including JSON Web Token(JWT) based application login, Secure file storage in AWS S3, Visual analytics dashboard using Cube.js and Chart.js
- Deployed applications on Amazon Web Services(AWS) and local Apache web servers
- Deployed and Maintained Docker based Open source software such as Opencast for SoMSS, Concerto for CHS departments
- Setup and Maintained High performance Computing servers, Department and Lab systems involving Bash scripting
- Integrated Concerto with REDCap (Clinical EDC Software for translational research) for the College of Health Solutions using R

Oracle Corporation: Senior Software Developer (Member of Commerce Cloud Integrations Team)   **June 2015 – July 2018**
- Contributed significantly to the development of Commerce Cloud Adapter by working on Oracle Integration Cloud Services (ICS) SDK
- Led the successful migration of Commerce Cloud internal API documentation to JSON Hyper-Schema, OpenAPI Specification
- Implemented and maintained Swagger functionality of ICS/OIC CC adapter
- Contributed to Commerce-Responsys, Commerce-SiebelCRM, Oracle Engagement Cloud for Communications integrations
- Authored several My Oracle Support (MOS) documentation articles to assist customers in setting up integrations in ICS/OIC
- Used JavaScript and Java to develop the front end and back end designs for CC-OROMS integration
- Designed XSLT templates for mapping data for Oracle FOM, OROMS and Commerce and implemented Product Hub integration
- Formulated Swagger template based NodeJS custom extensions development for Commerce Cloud

Indian Institute of Science, Bangalore: Research Intern in Computer Vision (Department of Aerospace)   **May 2014 – July 2014**
- Constructed city maps from aerial images obtained by UAVs and classification using CRFs
- Published a research paper on Aerial Scene Understanding at ECCV 2016 workshop

ACADEMIC PROJECTS

- **Relay Node Placement** - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using Python based NetworkX
- **JavaFX** App - A cross platform to-do list application developed using Java
- **Exalty** App - Context based playlist recommendation app which integrates with Spotify
- **Action** App - Application to train custom gestures and test for accuracies using various Machine Learning models using Weka
- **Health Care Mining** App - An information extraction system that turns unstructured medical healthcare data from sources like WebMD.com, Drugs.com, Patient.info into structured information provided with a parametric search interface
- **Geospatial Query using Apache Spark** - Identifying statistically significant hot spots by applying spatial statistics to spacio temporal Big Data using Spark SQL
- **Construction of Influence Flowers** - Visualizes the contribution of various real estate business categories to the City's growth and the contribution of Directors, Writers to a genre collection in the Movie industry

ACHIEVEMENTS

- Engineering Graduate Fellowship **2018-2019, 2019-2020**
- **All India Rank** of **3468** in **AIEEE** (Appeared: 1.05 Million), **State Rank** of **148** in **EAMCET** (Appeared: 0.3 Million), **All India Rank** of **34** in **SRMEEE** (Appeared: 0.15 Million)