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SANDEEP NADELLA

SUMMARY

Professional Cloud Application Engineer with three years of Java backend 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: 4/4
Bachelor of Technology (B.Tech), Electronics and Communication Engineering	**July 2011 – May 2015**
National Institute of Technology, Warangal (NITW); India	GPA: 8.12/10 (≈ 3.6/4)

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, WebRTC, MySQL, PostgreSQL, Python – Django framework, TensorFlow APIs, Git, Perforce code version control tools, Gradle, Maven build tools, OpenCV, Docker, 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 – May 2020**

- Designed and built Analytics applications for SoMSS, AMLSS departments, MTBI program using Node.js, Angular, Cube.js and deployed in AWS
- 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 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: Applications Engineer, Senior Software Developer(Commerce Cloud Integrations Team) June 2015 – July 2018

- Contributed significantly to the development of Java based 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 in Java
- 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 and data transformation for Oracle FOM, OROMS and Commerce and implemented Product Hub integration
- Formulated Swagger template based NodeJS custom extensions development for Commerce Cloud

ACADEMIC PROJECTS

- **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. (Stack: Python, HTML, CSS, SQLite)
- **Relay Node Placement** - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using Python based NetworkX (Tech: Python, Jupyter Notebook)
- **Exalty** App - Context based playlist recommendation app which integrates with Spotify. (Tech: Java, Android SDK)
- **Action** App - Application to train custom gestures and test for accuracies using various Machine Learning models using Weka. (Tech: Java, Android SDK)
- **JavaFX** App - A cross platform to-do list application developed using Java (Tech: Java, FXML)
- **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. (Stack: Java, Python, Angular)
- **Geospatial Query using Apache Spark** - Identifying statistically significant hot spots by applying spatial statistics to spacio temporal Big Data using Spark SQL (Tech: Scala)

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)