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SUMMARY

Professional cloud application engineer with three years of Java backend development experience seeking full-time opportunities

**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) 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 Engineer January 2019 – May 2020

* Designed and built [Analytics applications](https://github.com/SandeepNadella/math-grad) 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
* 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](https://docs.oracle.com/en/cloud/paas/integration-cloud/commerce-adapter/understand-oracle-commerce-cloud-adapter.html) by working on [Oracle Integration Cloud Services (ICS) SDK](https://www.oracle.com/middleware/application-integration/application-adapters/)
* Led the successful migration of Commerce Cloud internal API documentation to [JSON Hyper-Schema](https://json-schema.org/draft-04/json-schema-hypermedia.html), [OpenAPI Specification](https://swagger.io/specification/)
* Implemented and maintained [Swagger](https://swagger.io/specification/) functionality of ICS/OIC CC adapter in Java
* Contributed to [Commerce-Responsys](https://docs.oracle.com/en/cloud/saas/commerce-cloud/occ-responsys-integration/integrating-oracle-commerce-cloud-and-oracle-responsys.pdf), [Commerce-SiebelCRM](https://docs.oracle.com/cd/E14004_01/books/PDF/OrderMgt.pdf), [Oracle Engagement Cloud for Communications](https://docs.oracle.com/en/cloud/saas/commerce-cloud/20a/occ-cx-comm-integration/understand-integration1.html) integrations
* Developed the front end and back end designs for CC-OROMS integration using Java and JavaScript
* 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**](https://github.com/SandeepNadella/influence-flower) - 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**](https://github.com/SandeepNadella/RelayNodePlacement) - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using Python based NetworkX (Tech: Python, Jupyter Notebook)
* [**Exalty**](https://github.com/SandeepNadella/Exalty) **App** - Context based playlist recommendation app which integrates with Spotify. (Tech: Java, Android SDK)
* [**Action**](https://github.com/SandeepNadella/Action) **App** - Application to train custom gestures and test for accuracies using various Machine Learning models using Weka. (Tech: Java, Android SDK)
* [**JavaFX**](https://github.com/SandeepNadella/To-Do-List-Unlimited) **App** - A cross platform to-do list application developed using Java (Tech: Java, FXML)
* [**Health Care Mining**](https://github.com/SandeepNadella/healthcare-data-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. (Tech: Java, Python, Angular, Spring Boot)
* [**Geospatial Query using Apache Spark**](https://github.com/SandeepNadella/hotspot-analysis) - 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)