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[GitHub](#), [LinkedIn](#)

About:

- 6+ years of experience in Software Development and Application/Product Support
- Experience in maintaining Large-scale applications and designing microservices, REST API Architecture
- Strong hands-on Data Structure, Algorithm & System Design
- Experience in Agile based development methodologies
- Strong hands-on OOPS and Design Patterns
- Hands on experience in AWS Cloud(AWS Lambda, API Gateway, S3, EC2) and Heroku
- Hands on experience in Core Java, Servlets, JDBC, JAX-RS, Android
- Hands on both SQL and NoSQL databases
- Hands on experience in end to end OTT architecture
- Experience in 3rd Party API integration

Experience

Customer Integration and Support Engineer at Irdeto December 2019 to Present

- Perform integration of Irdeto solutions and services to new and existing OTT customers in the area of: Content Management, Rules and Right Management and Media Protection (Multi-DRM)
- Responsible for providing developer support to partners integrating the Backend CSM and DRM
- Leading a team of 4 engineers in supporting and monitoring of Irdeto Components and other business workflows
- Conducting POCs to improve the efficacy of the existing architectures and solutions
- Tech Stack: Java(1.8), Spring Boot,JBPM, ActiveMQ, Python (for scripts)

Member of Engineering Team at CleverTap August-2019 to November 2019

- Responsible for developing debugging tools to help in diagnosing technical issues in CleverTap products
- Work on feature requests and enhancements on the CleverTap products
- Working as 2nd line support for incoming technical issues/bugs on CleverTap products and components
- Tech Stack: Java, Javascript and Android

Senior Technical Support Engineer(L3) at Accedo.tv December-2016 to July 2019

- Working as a global resource developer for Android and Java based middleware applications
- Work on PoCs and solutioning for customers

- Working on Bug fixes, Change Requests, development of new features on Android and Web/Middleware based platforms and participating in code reviews
- Development of RESTful APIs using Jersey (JAX-RS based implementation)
- Involved in designing and developing solutions to problems (Post release issues) for client's applications
- Monitoring of Middleware and Third Party APIs as well as mobile and web based Applications
- Designed and developed an AWS Lambda(using Java) based solution which decoupled the CMS metadata dependency for [SonyLIV](#) mobile applications. This removed the downtime of the applications during high traffic events which would render the CMS going down
- Designed a solution to improve the performance of [SonyLIV](#) middleware and my suggested solution increased the efficiency of Middleware. This increased the performance of Middleware by reducing REDIS calls to handle ~2M concurrency efficiently
- Onboarding of Regional OTT Clients of Accedo.tv to Service Management
- Lead and mentored the Service Management team based out of India consisting of Technical Support Engineers, Software Engineer (Web/Middleware) and DevOps Engineer
- Tech Stack: Android, Java, NodeJS, AWS Lambda, S3, Redis, MySQL
- Other projects: [StarhubGo](#), [MBC Shahid](#), [PyonePlay](#)

Systems Engineer at TCS Sept-2010 to Dec-2013

- Designed and implemented stored procedures and report generation tools for a retail application (Java, T-SQL) resulting in drop of request tickets by 20%
- Enhanced and maintained Inventory Management system for a retail client (Informix 4gl)
- Delivered optimal products and maintained applications to achieve uncompromising customer satisfaction by trouble-shooting for errors faced by business users. (VB.Net, PowerBuilder, PL/SQL, C#)
- Drove changes on design process for the recurring issues and code fixes for the post release application bugs
- Interfaced between customers and internal departments in migration of a Windows application to web based (VB6, PL/SQL,VB.Net)
- Designed and optimized business reports intended for the business users
- Acted as the primary point of contact for various applications supported by us and implemented and documented many process flow improvements for the supported applications
- Trained and mentored business users to use new applications and new changes in the application's process flow

Education

- Master of Computing in Computer Science from National University of Singapore (2015), Singapore
- Bachelor of Technology in Computer Science and Engineering from SRM University (2010), Chennai, India.

Skills

- **Language Known:** Java, Python, NodeJS
- **Frameworks:** Jersey (JAX-RS), Spring Boot, ExpressJS, Android
- **Database:** MySQL, PostgreSQL, MongoDB, Redis
- **Operating System:** Windows, Linux(Ubuntu)
- **Cloud:** Amazon Web Services (Lambda, S3, EC2, CloudWatch), Heroku
- **Package Manager:** Maven, Gradle, NPM
- **Testing Framework:** JUnit
- **Version Control:** Github, Bitbucket
- **Issue/Project Tracking Tools:** JIRA
- **Monitoring Tools:** NewRelic, Runscope

Key Projects

Simple Packager and Origin Server for Live and VOD Contents

- Designed and implemented a simple Packager and Origin Streaming server using FFMPEG and Shaka Packager under a NodeJS Wrapper for producing ABR Live and VOD DRM Protected/Clear Streams.
- Easily Integratable with other systems due to its API driven design
- Uses CMAF as well for Single format (fragmented MP4) and low latency streams

Modules:

- FFMPEG : For encoding and transcoding
- Google Shaka Packager: For Packaging and DRM encryption
- NodeJS: Used for writing a simple wrapper for FFMPEG and Shaka Packager to be usable via simple APIs
- Java (with Spring Boot): For designing a simple origin API

Accedo Global Hack Week Winner

- Designed a system, named Panic Mode Activation System (PMS), which allows real time activation of Panic Mode during high traffic events (~2-3 million concurrency) which will ensure the client applications continue running without any downtime and degradation to user experience.

- **Backend Module**
 - cTechnology Used: AWS Lambda written in Java
 - Database Used: MongoDB
- **Android Client SDK**
 - Language Used: Java

SonyLIV Mobile Platform Uptime Solutioning

- Designed a solution which decoupled the application's CMS Metadata from CMS APIs, which ensured no downtime for mobile applications
- Metadata used by the app is updated regularly via a AWS Lambda service (written in Java) on S3 bucket and distributed via CloudFront
- **Technologies Used:** AWS Lambda, S3 and CloudFront
- **Languages Used:** Java for AWS Lambda

Auto Booking App

- Developed an Android Application for Auto Booking as a side project
- The App had login module and Map Module akin to Uber
- App communicated to backend module via multiple RESTful web services which were deployed on Heroku
- **Technologies Used:**
 - **App Language :** Java
 - **Backend Module:** RESTful Web Services developed using Jersey framework (JAX-RS reference implementation)
 - **Database:** MySQL
 - **Servlet Container:** Apache Tomcat
 - **Cloud Hosting:** Heroku

Academic Achievements

- **Big Data Analysis with Apache Spark** (CS110x) on edX by BerkeleyX, University of California, Berkeley. Certificate awarded on 16 September 2016. **Certificate ID: 6f3423ddd76845439fd48b71b6b53150**
- Co-authored a paper titled "[An Automated and Full-Proof Attendance Marking Scheme \(TATTEND\) Using Three Integrated Technologies](#)" published in Recent Trends in Networks and Communications (Communications in Computer and Information Science series, Pg. 190-199), **Springer Berlin Heidelberg, 2010. Online ISBN: 978-3-642-14493-6**