Microsoft
Technology Associate

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📷 Profile

I am **Full-Stack developer** having 5+ years of experience in Software Development, following the **software engineering** practices.

Setting objective to build highly successful growth-oriented career in the field of **Software Development**. By performing integrity & undertaking important responsibility to assure my best efforts in the progress of the organization.

💼 Experience

Collinson ASPAC
April 2019 > Current

Senior Development Engineer
Along with development, started with DevSecOps approach to streamline the product pipeline, integrating the opensource tools in CICD.

Development Engineer

Working on industry leading loyalty application named as XLS (Extended Loyalty System). Having multiple portals and different technologies used to provide high scalability. Following the Microservices architecture and modularize the application, which helps to deploy modules independently for any custom needs.

PTC
July 2016 > April 2019

Software Analyst (July 2018 – April 2019)

Moving forward in FlexPLM Team, worked on DevOps, managing development VM's in AWS and Azure, building Pipeline for full product build and artifactory management.

Associate Software Analyst (July 2017 – July 2018)

Worked on FlexPLM (Retail, Footwear and Apparels), which is used by Retail industry, this application allows customers to create Product and its material's spec, and full Product Lifecycle can be handled.

Intern (Sept 2016 – July 2017)

Worked on MuleSoft ESB Tool, Thingworx Dashboards, Moved on-prem Quality agent into Cloud based (AWS) Quality Agent, which processes customer files to understand how product behaves in customer environment. Created QlikSense dashboard to analyze azure cost.

🎓 Education

India College of Commerce and Science
2015 > 2017

Master of Science (M.Sc.) Computer Science

CGPA: 9.5/10
Published research paper in National Conference on Recent Trends in Computer Science and Mathematics (RTCSM).
Android Applications created in the academics.

India College of Commerce and Science	Bachelor of Science (B.Sc.) Computer Science
2012 > 2015	Grade: A Percentage: 68.75 Project created in Java Swing with socket programming allowing message functionality.

⚙ Projects

Collinson ASPAC
April 2019 > Current

Technologies
Java [Struts, Hibernate]
Database: Oracle
Dojowidgets, jQuery

XLS (Extended Loyalty System)

- Started working on Loyalty product called as XLS, which maintains the Campaigns, Offers, Awards and Redemption of awards, pool etc.
- Banks use XLS widely to maintain their promotions, my role in this project is to perform code changes/development of bug fixes and new features.
- Refactoring the application following the Microservices architecture. The rest api's for the same are developed in NodeJS and SpringBoot, and new Portal is in angular 10 (MEP).
- Adding security compatibilities (GDPR, PCI-DSS),
- Same time involved in building pipeline for the various XLS apps with Jenkins.
- Worked on jdk 8 to jdk 14 migration.
- Worked on Hibernate upgrade from 3.2 to 5.4.1
- Configured the security scans for the api's as well as web portals.

Collinson ASPAC
April 2019 > Current

Technologies
Java, SpringBoot
Database: Oracle & MySQL

Comm and Offer Api

- Communication api created to register smart phone devices and use it for Cloud messaging (Firebase), When customer register through mobile app, device details are stored into database.
- Once device is stored, and customer transacts at any merchant, this detail is used to send Push notification to customer if he/she having rewards to redeem.
- Communication Api is multi-tenant application which supports MySQL as well as Oracle at the same time.
- Offer api is created for Offer Management Portal, where merchant can create offers and subscribe them to merchant devices, this offers can be used with other non-monetary rewards like pool, paper coupon and e-coupon.

Collinson ASPAC
Oct 2019 > Current

Technologies
Angular 8, Auth0, AWS,
CSS, SCSS, jQuery,
Bootstrap 4

MEP (Merchant Engagement Portal)

- MEP is created for Corporate and Merchants, where they can create Campaigns (Promotions) for transacting customers.
- We used Auth0 for user authentications and authorization.
- AWS Api gateway is used to secure the calling api's, Where JWT token will be validated, we used AWS Lambda function as authorizer, which validates the token and do the authorization for logged in customer.
- This portal is fully customizable, and customizing is very easy where user do not need to have styling knowledge, because it is json file which handles the UI.

PTC
July 2018 > April 2019

Technologies
Zookeeper, Jenkins, Gitlab
Microsoft Azure, AWS

FlexPLM Integration

- Created CloudFormation templates, AMI Images.
- Developers data center, when any new customer case comes, Developers can replicate same version to debug the issues, this was as proposed solution against using vm ware locally, and to avoid human errors while debug, this solution was used by team.
- Moving forward, companywide it was decided to work on Microsoft Azure, so automated the migration with PowerShell scripts, which helped to move AMI to Custom Images and EC2 to VM in azure.
- Was involved in building the build pipeline, which is full suite and deliverables will be uploaded to JFrog artifactory.

PTC
July 2017 > July 2018

Technologies
Java, JSP, Servlet
Database: Oracle

FlexPLM

- Moving from IT team to R&D Team, got Opportunity to work on FlexPLM, which industry leading PLM tool for Retail, Footwear and Appearl business.
- My role here was to fix the existing bugs, and work on new developments.
- Worked on moving custom in house logger to log4j logger, where impact on logging was huge.
- Also worked on ThingWorx extension TechPackApp, which was built as a ThingWorx Extension, and was used to create specifications for Product, Material with the help of FlexPLM RESTfull services.

PTC
Sep 2016 > July 2017

Technologies
MuleSoft ESB, AWS, Azure, Java, QlikSense

Quality Agent

- Joined PTC as an Intern, this phase was start of my corporate career.
- Started working on MuleSoft ESB tool, to process the XLS files, tried POC's in MuleSoft ESB, based on tag and its child tags, table and its column were mapped, and data processing was started.
- But looking at file loads, this was not efficient way to process the files.
- So got opportunity to work on AWS, Created solution which consists of S3, SQS, SNS, Lambda and SWF service from AWS.
- Later worked on Microsoft Azure DevTestLabs, where costing report was created in QlikSense.
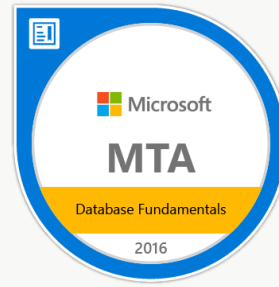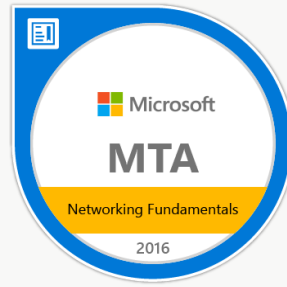
PTC
Sep 2016 > July 2017

Technologies
ThingsWorx, RaspverryPi, Python, GPIO, HC05, Android

Innovation: BrainSense (Brain Computer Interface)

- This Project was created for PTC Family day, though it is not having commercial experience, but it was mix of multiple technologies.
- It was band, which person needs to wear as headband, and system will get person's attention level, meditation level, stress level and much more data.
- Based on attention level, we were controlling home appliances, like cooler, LED bulb, changing color of Ambient LED's based on your attention and meditation level.
- Same was done android device as well, where data being transferred via Bluetooth HC05.
- (Image). More images can in found in this location.

Certifications

Academic Achievements

Research paper
Research paper was published in RTCSM national journal on Image processing topic.

Winner
ADROIT-2016 (Software Project), Organized by H.V.Desai College
RDX-2016 (Software Project), Organized by Ram Krishna More College.
TECHNOCASE 2015 (Software Project), Organized By IICMR.
and more….

Personal Information

Date of Birth	**Marital Status**
13-May-1995	Single
Languages Known	**Hobbies**
Marathi, Hindi, English	Listening Songs, Coding, PPT & AV Creation.
Gender	**Strength**
Male	Life longer learner, Honesty, Hard-Work.

Declaration

I hereby declare that the above written are to the best of my knowledge and belief.

Date: / /

Place: Singapore

Imran Bagwan