HSBC Global Technology
Senior Software Engineer
Full Stack Engineer / Module Lead

AYUSH INDANI
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CAREER OBJECTIVE

To steadily groom into an individual who can Learn, unlearn and relearn at a rapid pace.

EDUCATION

Medicaps Institute of Science and Technology, Indore	2010-2014
Bachelor of Engineering, Information Technology, RGPV	*CGPA: 7.7/10 (HONORS)*

CERTIFICATION

AWS Certified Solutions Architect - Associate	Sep, 2019
Oracle Cloud Infrastructure 2019 Architect Professional	Jul, 2020
OCJP SE-7. Oracle Certified Java Developer	Dec, 2015
Brainbench Certified Unix Administrator	Mar, 2016

TECHNICAL SKILLS

Core Technologies	JAVA; AWS; Microservices – SpringBoot, MuleSoft ESB; Webservices.
Miscellaneous	Anypoint Platform; PCF, Splunk; AppDynamics; SQL; Unix; Application Security and Performance, Jenkins; JSON; XML.
Web Technologies/Framework	AngularJS; HTML5; CSS3; JavaScript; Chrome developer tool.
Version Control Systems	Git on GitHub, Bitbucket; RTC.
SDLC	Agile Methodology

PROFESSIONAL ACHIEVEMENTS

HSBC Global Technology Pvt. Ltd.   Aug 2016 - Present
- Participated in a war room for HSBC Digital CSU project at Business site – **Dubai, UAE** (July, 2017).
- Key contributor to technical architecture for payments and customer centric projects in banking domain.
- Underwent an informal / project length training for an Associate Technical Architect, 2017.
- Represented HSBC for Open Banking Conference 2018 and an Industry level event - **Gracehopper Conference (GHCI) 2017,** at Bangalore for 'Facial recognition construct in Banking domain.
- Delivered 4 full blown applications and 10's of modules with stringent timelines, different capacity and complexity.
- Received Zero Defect Award for an entire project duration of 1 year with close to 56 user stories assigned.

Tata Consultancy Services Pvt. Ltd.   Nov 2014 – Aug 2016
- Underwent UNIX, C++ and Oracle training at TCS in 2014
- Awarded Fastrack promotion with the title 'Harbinger' for being batch topper in TCS ILP, 2014
- Received various Spot Awards for Individual and Team contributions
- Full Stack Technical Experience with E-commerce giants – Target, The Home Depot, Nielsen

ROLES & RESPONSIBILITIES

- Live demo to HSBC UAE business. Direct client engagement for modules, updating the status and deciding the scope for the upcoming patch and managing blow out releases at times.
- Code reviewer, task distributor, environment admin (on PCF server), assigning roles and responsibilities to other team members.
- Key developer to contact for projects undertaken and acted as SPOC the client facing projects.
- Spearheaded the training for new on-board members from across in the HSBC project pod.

PERSONAL DETAILS

- **Strengths:** Excellent communication and interpersonal skills; Hard working; Presentable
- **Hobbies:** Watching TV soaps; Listening to music; Writing; Reading
- **Date of Birth:** 14th Mar 1993

PROJECT DESCRIPTION

July 2014 – Present (5.10 years)

3D Secure 2 (SCA)   https://www.3dsecurempi.com/3DSecureMPI/

M&S Bank, United Kingdom   Jan 2020 - Present

Technology Stack   HSBC R2DS, JAVA 8, SpringBoot, AWS, Swagger, MuleSoft
Module Undertaken   E2E delivery lead, SCA authentication and authorization with RealMPI (Global pay solution)

PROJECT DESCRIPTION

For Marks & Spencer Bank (MNS), requirement was to enable 3D Secure 2 API for SCA norms as per PSD2 guidelines.
3DSecure allows a card holder to authenticate himself while making an online payment. Implemented for M&S Bank's 'Pay-by-debit-card' functionality (to securely pay credit card bills).

ROLES & RESPONSIBILITIES

- Project lead.
- Responsible for e2e delivery of the project including development and project handshake with stakeholders.
- Peer code reviewer
- Onus to resolve the roadblocks to production and post production support.

PAYMENTS SERVICE DIRECTIVES   https://ec.europa.eu/info/law/payment-services-psd-2-directive-eu-2015-2366_en

M&S Bank, United Kingdom   Mar 2019 – Dec 2019

Technology Stack   HSBC R2DS, JAVA 8, SpringBoot, AWS, Swagger, MuleSoft
Module Undertaken   Screen Scraping for PISP and AISP, PWS Registration - Login

PROJECT DESCRIPTION

In order to fulfil EU's regulatory requirements, all European banks must open their data and infrastructure to other fin-tech's. It required banks to do provide the following:

- Open APIs for third parties to Access to client's account, Credit payment transfer, Testing capabilities for third parties
- Two factor authentication of each customer's online banking footprint
- Strong security for Precise reporting in case of a fraud and Fraud detection

ROLES & RESPONSIBILITIES

- Module lead for Screen scraping line item
- For Marks & Spencer Bank (MNS), requirement was to register Payments fraud feed coming from Third parties and dumping into Data lake for fraud analysis in real time
- Peer code reviewer
- Dev-ops Engineer and Responsible to solve the roadblocks in the production

STP ETB LOANS   https://apply-online.hsbc.ae/applynow/index

HSBC, UAE   Aug 2018 – Mar 2019

Technology Stack   Microservices using SpringBoot and Mule ESB, Spring Rest, AOP, HQL-JPA, SQL, JAX-B, MockMVC, Github, Cloud foundry (PCF), Jenkins, Splunk, AppDynamics
Module Undertaken   Fraud Checks and Risk modules

PROJECT DESCRIPTION

Project was aimed at offering real time disbursal of Loans for Existing-To-Bank (ETB) customers in UAE, within 15 minutes. All the risk and fraud checks were performed in real time via, World check, SMG3, Instinct, HSBC feeds, etc.

ROLES & RESPONSIBILITIES

- Module lead for Risk/Fraud API's and key reviewer for critical Java backend modules
- Managing PowerCurve's (Fraud system) decisioning rules in local state SQL DB using JAVA reflection API
- Coordinating with Al Etihad Credit Bureau (AECB) folks for Bureau checks
- Dev-ops Engineer
- Peer code reviewer
- 24*7 passive support person along with regular day job routine

PROJECT DESCRIPTION

July 2014 – Present (5.10 years)

DIGITAL CSU/KIOSK   http://the-levant.com/hsbc-aims-open-digital-branches-uae/

HSBC, UAE   Jan 2018 – Aug 2018
Technology Stack   Microservices using SpringBoot and Mule ESB, Spring Rest, AOP, HQL-JPA, SQL, JAX-B, MockMVC, GitHub, Cloud foundry (PCF), Jenkins, Splunk, AppDynamics

Module Undertaken

PROJECT DESCRIPTION

Project is aimed at creating self-service kiosk for HSBC UAE customers, enabling Account opening at kiosk within 15 minutes. Once a customer is onboarded, a welcome letter is dispensed and then customer can print and activate Chequebook and Cards immediately via IVR.

ROLES & RESPONSIBILITIES

- Real-time Cards and Chequebook printing from API end, as part of customer tooling journey
- Been a part of a war rooms for this project at Business site (Dubai, UAE)
- Close handshake with UAE business for requirements gathering and analysis of each module
- Dev-ops Engineer and 24*7 Production support
- Responsible to solve the roadblocks in the production

STP NTB ORIGINATIONS (AO)   https://apply-online.hsbc.ae/uaeapplication/index/#/account-apply

HSBC, UAE   Sep 2017 - Jan 2018
Technology Stack   Microservices using SpringBoot and Mule ESB, Spring Rest, Spring-Hibernate Template, AOP, HQL-JPA, SQL, JAX-B, MockMVC, GitHub, Cloud foundry (PCF), Jenkins, Splunk, AppDynamics
Module Undertaken   Event based SMS and Email communications

PROJECT DESCRIPTION

Project was aimed at Straight through processing of Account opening of New-To-Bank (NTB) customer's in UAE, within 15 minutes.

ROLES & RESPONSIBILITIES

- Module lead for Email/SMS communication modules
- Created an event driven solution with full customization options to be used as a generic solution for other regions and functions
- Created Spring batch for scheduled comms and timely reminders
- 24*7 passive support person along with regular day job routine

PS-MPCLEAR   https://timesofoman.com/article/113391

HSBC, Oman   Aug 2016 - Sep 2017
Technology Stack   Microservices using SpringBoot and Mule ESB, Spring Rest, AOP, HQL-JPA, SQL, JAX-B, MockMVC, GitHub, Cloud foundry (PCF), Jenkins, Splunk, AppDynamics
Module Undertaken   (Individual Contributor for API channels)

PROJECT DESCRIPTION

Phase I. Government regulated project, aimed to deliver a real-time payment service (UPI) for HSBC Oman customers (banked and unbanked) for processing inter-bank and inter processor mobile payments as part of phase I release.
Phase II. Mandate was to create a Mobile wallet as a service extension for mpClear registered customers, enabling them to pay bills, shop at online stores, etc with their wallet funds.

ROLES & RESPONSIBILITIES

- Lead / Only backend developer for full blown project
- Created a reusable solution with full customization options to be used as a generic solution for other regions and functions
- Adhering to industry standard protocols, such as ISO 20022 for message exchange, along with other proprietary message formats.
- Core contributor in technical architecture discussions and business analysis for the project

PROJECT DESCRIPTION

July 2014 – Present (5.10 years)

STORE AND ONLINE GIFT CARDS   https://www.homedepot.com/c/Gift_Cards

TCS, Pune (Client - The Home Depot, USA)   Dec 2015 - Aug 2016

Technology Stack   SpringBoot, J2EE, Spring Rest, SQL, HQL-JPA, Angular2, HTML, CSS, JS, Ajax, Git-bitbucket, Splunk, MockMVC

Module Undertaken   Online Gift card management and Staff screen gift card integration

PROJECT DESCRIPTION

Project was aimed at developing physical/digital Gift card with scaled monetary value for THD USA customers. It could be used to purchase 'The Home Depot' merchandise online.

ROLES & RESPONSIBILITIES

- Responsible for implementing services for managing digital card balance and SMS triggers
- Resolving issues with rebate order for a purchase via Gift card balance
- Written script for restoring and maintaining sales data

RADAR (BUSINESS INTELLIGENCE)   Production Support

TCS, Pune (Client – Target INC, USA)   Jan 2015 - Dec 2015

Technology Stack   ETL, DataStage, Unix, Teradata, Oracle PL/SQL, J2EE, Bootstrap, Git, PCF
Module Undertaken   Production support / Development - client internal project

PROJECT DESCRIPTION

Active ETL Production Support using Infosphere DataStage for identifying any data warehousing job failures during any ETL step.

ROLES & RESPONSIBILITIES

- Handling priority production incidents and optimizing complex production queries
- Created several shell scripts for efforts reduction and performance monitoring
- Prepared monthly statistical reports (PPR's) for Business Intelligence – ETL
- Created a J2EE based single window application using bootstrap and jQuery for detailed analysis of entire support system (ITSM Dashboard: Client Internal Project)