

Tahsin Zulkarnine

550 Royal Ave, New Westminster, BC, Canada
+1-778-323-1348, tahsinz@gmail.com

Profile

- Speaker at Salesforce conferences specializing in data security and code architecture
- Certified cloud architect, Seasoned developer and experienced DevOps release engineer/lead

Certifications

- **Salesforce Certified Application Architect, AWS Certified Associate Solution Architect**
- **8x Salesforce Certifications** - Platform Developer 1, Administrator, Experience Cloud Consultant, Data Architecture and Management Designer, Sharing and Visibility Designer App Builder, Development Lifecycle and Deployment Architect

Experience

NTT Data Corporation, Sr. Digital Solution Architect

Dec '21 - Present

- Served as the lead technical architect and provided technical leadership for a Salesforce migration project for Universal Oil Product (UOP) subsidiary of Honeywell, a Fortune 500 company to comply with Honeywell GDM standard integrating with 25+ external system and containing 100+ technical resources across 7+ global teams, comprising of architects, product owners, integration specialist, developers, DevOps, QA, data migration and platform specialists, by defining technical landscape, integration roadmap, application lifecycle strategy, technical backlog grooming (with dependency planning), enforcing development best practices and delivering conceptual design documents.
- Architected and implemented the development lifecycle and deployment strategy for the HON UOP to have a smooth DevOps for CI/CD utilizing Opsera defining tasks to extract metadata from Salesforce Orgs, committing to feature branches, reviewing PR, defining pipelines to run tests and deploy metadata to INTG, QA and Prod SFDC orgs, maintaining pre-post deployment and cut over activities for the production go-live incorporating various external systems and Salesforce releases.
- Architected customer and prospect account management process for UOP, the Honeywell subsidiary integrating Salesforce and SAP CIP300 using a HUB-Spoke model utilizing CRMHUB and MDM and as primary data sources having cleansed and unique customer data based on a golden record model using DUNS number, leveraging Informatica jobs for data synchronization across systems and automating data stewardship process which improved the data quality by ~50%.

Groundswell Cloud Solutions Sr. Technical Architect

Feb '17 – Nov '21

- Served as the lead architect for a Salesforce implementation of a global consumer and commercial product manufacturer, Newell Brands (\$14B revenue) containing 30K+ employees to boost productivity and reduce overhead of HR team by defining reference architecture, environment strategy, data modelling and source to target mapping, security and sharing strategy, source control branching and deployment model utilizing Gearset, led implementation for service cloud features, custom Apex development for HR Forms, and public knowledgebase using Experience Cloud which improved the HR efficiency by 90% (minutes instead of an hour).
- Architected and provided oversight of Mulesoft development for the Newell Brands to integrate SAP HCM with Salesforce in order to get HR reference data, HR form validations, employee onboarding and nightly employee updates utilizing system and process API architecture, capturing logs in Splunk and CI/CD to deploy apps in Mulesoft Exchange.
- Provided technical leadership in overall development strategy and process for a global direct-selling cosmetics company containing 70+ developers across 7+ global teams, comprising of architects, developers, DevOps, QA and platform specialists, by defining standards and policies in a centralized knowledge base for stakeholders to reference covering developer training, IDE setup, modular repository structure for SFDX deployments, code review from the manual checklist, static code analysis and naming conventions, platform encryption approach to protect PII data utilizing deterministic and probabilistic algorithms in a Salesforce shield.

- **Contributed** to the **open-source** Enterprise design pattern framework Financial Force Library (**FFLIB**) used globally in thousands of Apex development projects by enhancing the default sorting of records considering invalid fields and shield encryption, going through rigorous code reviews and debates with the domain experts.
- Led technical discussions and gained consensus from multiple stakeholders including client architects, Salesforce product architects , Salesforce R&D and the Perf & Scale team for adopting an data visibility and sharing approach for 3.5 million distributors organized in a complex unit and unit tree hierarchy based on 6 major career levels, accurately surfacing their down-line information containing personal, production, earning and commission data in Salesforce Experience Cloud utilizing data sharing rules and account relationship, which reduced ~50% of custom development by conducting experiments, analyzing and estimating the scale of data volume globally in 14 front offices in 5 continents through complex database queries.

International Cybercrime Research Center, Sr. Software Engineer

Sep '15 – Jan '17

- Developed web application in Laravel with AngularJS and AWS Infrastructure enabling efficient tracking of non-critical citizen incidents among relevant agencies, including interfaces for reporting issues, dispatching request to responsible agencies, delivering service and recording feedback.

BasicGov Systems Inc (now Clariti), Sr. Software Developer

July '14 – Sep '15

- Architect, designed and developed BasicGov Cart and Payment Processing Framework and APIs using Apex and Visual Force that enable Government payments to integrate to different Payment Gateways (Bank and Payment Processors) in Cloud faster. Incorporated advanced OOP concepts to include a wide range of generic functionalities, but not limited to authentication, session token generation, mode of request (SOAP/REST), Request generation, Response handling and Parsing, cart generation, payable processing, log generation, user notification, etc.

Multiple Software Development Positions

Sep '06 – Jan '14

Education

M.Sc. in Computer Science (Software Architecture)

Jun '10 – Jun '12

University of Lethbridge, Alberta, Canada

B.Sc. in Computer Science and Information Technology

Dec '02 – Aug '06

Islamic University of Technology, Dhaka, Bangladesh

Speaker

- [“Can we automate Apex Test Class generation using Salesforce AI Tool GitHub Copilot?”](#), Southeast Dreamin 2024, Atlanta, Georgia, USA
- “Utilize Multi-lingual Einstein Bot to elevate your customer experience”, Cactusforce 2024, Phoenix, AZ, USA.
- “Utilize Einstein Vision to quickly digitize your documents using Optical Character Recognition (OCR)”, Midwest Dreamin 2023, Minneapolis, Minnesota, USA
- “How Restriction and Scoping Rules can save your day!”, [Snowforce 2023](#), Salt Lake City, Utah, USA.
- “Unlock the power of Salesforce Restrictive and Scoping Rules”, [CactusForce 2023](#), Phoenix, AZ, USA.
- [“Exploring a new era in the experience cloud data visibility”](#), Cactusforce Conference 2022, Phoenix, AZ, USA.
- [“Pushing boundaries to architect large scale Experience Cloud utilizing the latest data visibility techniques”](#), CactusForce__v Virtual Conference, 2021.
- [“Large Scale Community Cloud Implementation with Advanced Sharing and Security”](#), [CactusForce Conference 2020, Phoenix, AZ, USA](#)
- [“Design structure of scientific software - a case study”](#), 13th International DSM 2011, MIT, MA, USA