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# Jelson Chacko

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## Profile

Strategic, motivated, individual with experience developing web-based applications and data management systems, predominantly in the software development industry. Experienced in all stages of SDLC on both the development and testing side. A dynamic team player who collaborates with others to deliver results within tight timeframes. Dedicated to continuous learning and growth that ensures relevance and competencies in a dynamic industry.

## Technical Expertise

<b>Domain:</b>	Virtualization, Web, Networking
<b>Continuous Delivery Management Tools:</b>	Jenkins
<b>Programming Language:</b>	Java, JavaScript, Typescript, C, C++, C#
<b>Scripting:</b>	JavaScript, TypeScript, Node.js, Bash
<b>Databases:</b>	MySQL, MongoDB, PostgreSQL
<b>Source Code Management:</b>	Git, SVN
<b>Container:</b>	Docker, Kubernetes
<b>Web Development:</b>	Angular, React-Redux, HTML/HTML5
<b>Processes:</b>	Agile, Prototyping, Waterfall
<b>Tools:</b>	SonarQube, Eclipse, Visual Studio, Maven, Notepad++
<b>Testing Technologies:</b>	Playwright, Karma, Wireshark
<b>Protocols:</b>	HTTP/HTTPS, WebSocket, SMTP, SSH

## Education

### Master of Computing & Data Analytics (2021 – 2022)

**Graduated 2022**

SAINT MARYS UNIVERSITY, Halifax, NS

- ✓ Awarded the best Capstone Project in North America by AXIS Capital

2021-2022

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### Bachelor of Engineering – IT (2013 - 2017)

**Graduated 2017**

UNIVERSITY OF PUNE, India

- ✓ Awarded as best undergraduate engineering project in IT by Calsoft

2016-2017

## Community Involvement

- Seasonal instructor at Saint Mary's University for the MSc. – Computing and Data Analytics Program (2023 - Present)
- Won the best project award in North America for the Capstone Project, emphasizing on the various methodologies to overcome challenges faced by companies during an Internship with AXIS Capital (2021)
- Celebrated for development of company's online treasure hunt when working for VMWare and received recognition for excellence in work, (2019 – 2020)
- Received a Spot Award during Network Business Unit (NBU) Meeting which signified the excellence to the efforts put in for HausKhass project (2017 - 2018)

# Professional Experience

## Company: Canada Revenue Agency

<b>Project:</b> Enterprise Correspondence History		
<b>Client Name:</b> Canada Revenue Agency	<b>From:</b> December 2023	<b>To:</b> September 2025
<b>Role:</b> IT Developer/Analyst	<b>Team Size:</b> 5	
<p><b>Project Description:</b> Enterprise Correspondence History is a historical repository of all issued correspondence to the taxpayers. It is a tool used internally to display, print, update and modify certain communication records. There are two applications being maintained for ECH; the Legacy application is built on Java with the Swing Framework and a modernized version has been developed in Angular.</p> <ul style="list-style-type: none"><li>▪ Implementing newer features to the application as per business requirements, while enhancing the UX and accessibility</li><li>▪ Updating the current infrastructure used in certain automation pipelines for the application</li><li>▪ Creating detailed technical design specifications for colleagues to construct, maintain, and support IT solutions, and to integrate components</li><li>▪ Conducting technical research and providing input into business cases, cost/benefit analyses, and feasibility studies</li><li>▪ Reviews deliverables of team members and provides them with recommendations for improvement</li><li>▪ Lead short-term teams of IT staff engaged in the development, delivery, enhancement, integration, maintenance, and support of the operation of ECH.</li></ul>		
<b>Technologies Used:</b> Angular, Java, WebLogic, Gitea, Jenkins, Atlassian JIRA, SonarQube, Playwright		

<b>Project:</b> Enterprise Verse Management Facility		
<b>Client Name:</b> Canada Revenue Agency	<b>From:</b> September 2021	<b>To:</b> November 2023
<b>Role:</b> IT Developer/Analyst	<b>Team Size:</b> 8	
<p><b>Project Description:</b> Enterprise Verse Management Facility is an internal tool used to update and modify certain formats for various emails, letters and documents used for communication and records.</p> <ul style="list-style-type: none"><li>▪ Mentoring fresh team-members regarding the processes followed and about coding standards</li><li>▪ Bringing about changes to certain flows to make deliverables more effective and efficient</li><li>▪ Co-ordinating monthly releases to provide the newly added features available to the client</li><li>▪ Understanding the requirements for various features to be implemented and suggesting modifications to maintain consistency across the product</li><li>▪ Transform client specifications into technical selection criteria to produce information, such as reports and files, which is placed on various electronic and transportable media.</li></ul>		
<b>Technologies Used:</b> PowerShell, Java, WebLogic, Gitea, Jenkins, Atlassian JIRA		

## Company: AXIS Capital

<b>Project:</b> Cyber Defense Matrix		
<b>Client Name:</b> AXIS Capital	<b>From:</b> June 2021	<b>To:</b> August 2021
<b>Role:</b> Developer (Intern)	<b>Team Size:</b> 3	
<p><b>Project Description:</b> The Cyber Defense Matrix (CDM) is a tool to manage and view the list of vendors and their products used by Axis Capital as per a matrix that has been defined according to various operational functions and assets.</p> <ul style="list-style-type: none"><li>▪ Help in creating the schemas for the database that was to be used for the application</li><li>▪ Create REST APIs for GET and POST methods for viewing and adding vendors to the matrix</li><li>▪ Guide and assist in creating the UI for the application using the Blazor Framework</li></ul>		
<b>Technologies Used:</b> MSSQL, .NET Entity Framework, Blazor Framework, Azure DevOps		

<b>Project:</b> Pareto Tool		
<b>Client Name:</b> AXIS Capital	<b>From:</b> May 2021	<b>To:</b> August 2021
<b>Role:</b> Developer (Intern)	<b>Team Size:</b> 5	
<b>Project Description:</b> A web application that has been developed to migrate the work done on an Excel sheet to find various parameters using the Pareto Principle. <ul style="list-style-type: none"><li>▪ Creating REST APIs for retrieving data from the database</li><li>▪ Fixing minor bugs for REST APIs that had already been created</li><li>▪ Investigate on a framework that could be used for creating multi graphed charts as per the requirement</li><li>▪ Implementation of the multi graph chart using d3.js</li></ul>		
<b>Technologies Used:</b> MSSQL, .NET Entity Framework, Blazor Framework, Azure DevOps		

## Company: Calsoft Inc

<b>Project:</b> VMware SFD UI Frontend		
<b>Client Name:</b> VMware	<b>From:</b> April 2020	<b>To:</b> December 2020
<b>Role:</b> Senior Developer	<b>Team Size:</b> 3	
<p><b>Project Description:</b> Smart Fabric Director (SFD) simplified definition, provisioning, monitoring, and troubleshooting of physical underlay fabrics with intelligent integration, visibility, and control for virtualized overlays. Added features using Java and Angular 10.</p> <ul style="list-style-type: none"><li>▪ Timely communication with the clients regarding the extra features to be added to SFD</li><li>▪ Developed the new features as discussed by the clients during various meetings conducted</li><li>▪ Mentoring a fresh graduate regarding the workflows of the entire product</li><li>▪ Optimized algorithms and prototypical solutions that streamlined implementation</li><li>▪ Sharing responsibility in leading and conducting formal peer review technical sessions to ensure deliverables meet objectives, are complete, and comply with departmental IT standards and procedures.</li></ul>		
<b>Technologies Used:</b> PowerShell, Angular + React, Jenkins, Atlassian JIRA		

<b>Project:</b> VMWare N/W Simulation Tool		
<b>Client Name:</b> VMware	<b>From:</b> April 2019	<b>To:</b> April 2020
<b>Role:</b> Senior Developer	<b>Team Size:</b> 8	
<b>Project Description:</b> Simulation tool built in GO and Angular, that read networking devices’ telemetry data and predicted and plotted network topology. Created different networking devices as pods in a Kubernetes environment, and the telemetry data provided was simulated and displayed on the GUI. <ul style="list-style-type: none"><li>▪ Designed the wireframe of the graphic user interface for this tool</li><li>▪ Contributed to the workflow of the entire product and the method of deployment to be used</li><li>▪ Implemented an animation which was needed for the simulation of the network devices’ telemetry data</li><li>▪ Participate in the delivery of training sessions for clients by studying a variety of training material</li><li>▪ Participated as a board member in selection processes for the team.</li></ul>		
<b>Technologies Used:</b> Postgres, Angular + React, Typescript, GO, WebSocket		

<b>Project:</b> Platina Command Center (PCC)		
<b>Client Name:</b> Platina	<b>From:</b> May 2018	<b>To:</b> March 2019
<b>Role:</b> Developer	<b>Team Size:</b> 4	
<b>Project Description:</b> Orchestration tool that enables user to manage networking devices for performance by monitoring and configuring various entities. <ul style="list-style-type: none"><li>▪ Responsible for the architecture of the entire code base for PCC</li><li>▪ Brainstormed various ideas for the deployment procedures for this product, due to the limitations of the available resources</li><li>▪ Developing instructional information, such as help screens and texts, user guides, and problem resolution techniques to provide clients and colleagues with detailed explanations of PCC’s operation and installation</li><li>▪ Responsible for the SMTP servers to send out specific mails as per new user registrations on the application.</li></ul>		

<b>Technologies Used:</b> PostgreSQL, React-Redux, GO, REST
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<b>Project:</b> HausKhaas – Refactoring		
<b>Client Name:</b> Calsoft	<b>From:</b> July 2017	<b>To:</b> May 2018
<b>Role:</b> Developer	<b>Team Size:</b> 4	
<b>Project Description:</b> HausKhaas - Refactor is a project in Food Domain. It dealt with refactoring the existing FoodTech - Hauskhaas product. It would have different roles where the head chef can define specialties and the foodie can place an order, would be charged for the same and the order will be delivered by delivery boy. <ul style="list-style-type: none"><li>▪ Developed different modules for the admin application for this product in Angular</li><li>▪ Became a part of the deployment team due to the keen interest shown in that area</li><li>▪ Responsible for the documentation of the manual for the usage of the Admin Application for this product</li><li>▪ Proposed and implemented cleaner coding standards to the codebase and reducing the load times for certain pages for the application.</li></ul>		
<b>Technologies Used:</b> Java, Angular, MySQL, HTML5, CSS, Typescript, SVN, Maven		