

# Sunny Jain

Full-Stack Software Developer & Certified Scrum Master (PSM - 1 )

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## SKILLS

**Programming Languages:** JavaScript, HTML, CSS, Python, Java, C#

**Frameworks:** React, Node.js, Express.js, Spring, Spring Boot, Mockito, JUnit, PIT Mutation Testing, SonarLint, TypeScript

**Databases:** MySQL, SQL Server, Oracle

**DevOps Tools:** Git, Docker, Kubernetes

**Agile Methodologies:** Scrum, Project Management

**Software Development Lifecycle:** Requirements Gathering, Design, Development, Testing, Deployment, Maintenance

**Software Development Tools:** Visual Studio Code, IntelliJ IDEA.

**Web Technologies:** REST APIs, Web Services, Websockets, Ajax, JSON, XML, SMTP

**Soft Skills:** Communication, Collaboration, Teamwork, Problem-solving, Creativity, Time-management, Attention to detail, Passion

**Other Skills:** Microsoft Office Excel, Microsoft Office Word, Microsoft Office Powerpoint, Microsoft Teams, Microsoft Sharepoint

## EXPERIENCE

**Danske Bank (Danske IT)**

**02/08/2021 – 14/04/2023, Bangalore**

**Associate Software Engineer (Full Stack),**

### GDPR GO

- As the lead responsible for "General Data Protection Regulation - Customer Data Insight," my role was to oversee the successful transmission of crucial information to more than 50 product systems. In addition, I was the process owner for the automatic generation and delivery of reports directly to customers.
- This innovative process not only ensured compliance with customer requests but also saved valuable time that would have been spent manually creating reports. Thanks to these efforts, the bank was able to streamline its operations and maintain its competitive edge.
- Demonstrating exceptional organizational prowess coupled with a proactive mindset, adeptness in multitasking, and the ability to effectively prioritize work tasks are highly coveted attributes in today's dynamic and demanding professional landscape.

### StarTRACS

- As the sole owner of the starTRACS system, I took on the responsibility of ensuring the accuracy of customer data and tax-product information, which were subsequently updated in the mainframe systems. To further enhance its functionality, I took the lead in migrating this system from openshift 3 to openshift 4 environment.
- In addition, played a pivotal role in the bank-wide initiative to upgrade the internal bank APIs from version 5 to version 10, building the CI-CD pipeline from scratch. The successful implementation of this upgrade led to a significant improvement in the efficiency and effectiveness of our internal systems, ultimately benefiting our customers.
- Furthermore, I provided essential support to business analysts, assisting them in running importing and exporting console applications that were developed in C# code entity framework. These applications were critical in facilitating data transfer between SQL and Mainframe databases.
- Possessing exceptional communication skills when collaborating with team members and adeptly managing relationships with stakeholders

### FATCA-CRS

- We optimized the testing system of FATCA-CRS tax reporting system by revamping the existing test scripts, originally developed in Java and the Spring Boot framework.
- Initially, these scripts took around 5 hours to process 40 million records when executed on local environments and virtual machines. However, through our efforts, we reduced the processing time to just 20 minutes.
- We created a user-friendly frontend using HTML and CSS, along with a Flask API, making it accessible to non-technical users. By leveraging the powerful features of pandas data frames, we efficiently processed the data and seamlessly executed queries using pyodbc database driver.
- Our main goal was to conduct a comprehensive comparison between data extracted from the Mainframe and the SQL servers, ensuring its accuracy against the generated XML. These XML files were then submitted to relevant tax authorities, such as SKAT.
- Mentored and guided 3 interns. I provided regular feedback to the interns on their coding practices and helped them understand the Danske Bank ecosystem. I also worked with them to identify areas where they could develop their technical skills and brain-stormed to solve critical business problems.
- As part of my day-to-day duties, I also monitored performance, regularly upgraded packages, and resolved vulnerabilities to maintain the system's integrity and security. I broaden my skill set by taking on the role of part-time Scrum Master, where I facilitated key Scrum ceremonies and guided the team to adhere to Agile methodologies and Scrum best practices.

**Danske Bank (Danske IT)**

**02/02/2021 – 01/08/ 2021, Bangalore**

**Software Developer Intern,**

### DAC-6

- Implemented and developed a tax compliance and reporting system called DAC6 from scratch. DAC6 is an EU-mandated regulation that focuses on transparency and combating tax avoidance. Utilizing technologies such as Spring Boot, ReactJS, and SQL, I designed and built the system to meet the specific requirements of DAC6.
- Additionally, I established a robust CI/CD pipeline, ensuring seamless integration and deployment of updates. The system was successfully deployed on Openshift 4, enabling efficient containerization and scalability.
- Through this project, I demonstrated my ability to develop complex regulatory systems while leveraging modern technologies and adhering to stringent compliance standards.
- I utilized the Danske Bank SMTP server to streamline the process of automating email notifications whenever a new case is received within the DAC6 server. To retrieve data from multiple SQL servers and consolidate it within the DAC6 SQL server, I employed JDBC.
- I actively engaged in disaster resilience activities and actively participated in security health checks to ensure the robustness and reliability of the system.

- Moreover, I diligently addressed and resolved bugs within the Java reconciliation, fallout, and final-XML test scripts for FATCA-CRS enhancing their overall functionality and effectiveness.

**Codevector Pvt. Ltd.**

**01/06/2020 – 30/08/2020, Kolkata**

**Software Developer Intern,**

- Developed a ReactJS-based movie catalog for a client, similar to a Netflix application. Collaborated closely with the client to design a user-friendly interface, utilizing an open-source movie API for fetching information.
- Ensured the application's architecture and codebase were easily comprehensible for backend developers, facilitating seamless integration with backend systems. Additionally, provided comprehensive support to backend developers and devops engineers, resolving issues and ensuring smooth operation of the application.

## EDUCATION

**MSc. Applied Computer Science**

**14/04/2023 - Present, Göttingen**

Georg-August-Universität Göttingen

**B.Tech, Information Technology**

**01/07/2017 – 01/06/2021, Vellore**

Vellore Institute of Technology, Vellore    Grade: **9.17 /10**

## RESEARCH

**Genetic Algorithm to Find Most Optimum Growing Technique for Multiple Cropping Using Big Data** Genetic Algorithm to Find Most Optimum Growing Technique for Multiple Cropping Using Big Data [2019]

Lecture Notes on Multidisciplinary Industrial Engineering - [https://link.springer.com/chapter/10.1007/978-981-13-7968-0\\_6](https://link.springer.com/chapter/10.1007/978-981-13-7968-0_6)

In the present scenario, it is extremely important for any farmer to increase his farm productivity and use multi-farming techniques.. Many new farming techniques are being introduced to which a general farmer has no access to and hence his growth rate is monotonous. Even after having the cutting-edge technology and farming techniques, a general farmer has no access to any of it, i.e. the outreach of information technology in farming is still very low. As the number of parameters to optimize farm productivity increases, so thus the permutations of a number of techniques and hence expertise is needed to analyze the best farming technique for the given scenario.

## PERSONAL PROJECTS

**Influencer Marketing System**

Developed a robust influencer marketing system utilizing php as the backend, MySQL as the database management system, and HTML, CSS and javascript for frontend.. This system provides a comprehensive platform for managing influencer and brands, their availability and bookings.

**GitHub Finder**

GitHub Finder is a web application designed to search and explore GitHub user profiles and repositories. The frontend of this application has been developed using Vanilla JS, which refers to using pure JavaScript without any additional frameworks or libraries.

**Blood Bank Management System**

The Blood Bank Management System is a comprehensive software application developed using SQL, a popular database management system. This system is designed to efficiently manage and track various aspects related to blood donations, inventory, and distribution within a blood bank or healthcare organization.

**Rajinikant Jokes**

Created an innovative voice assistant skill for Alexa that generates random jokes centered around the renowned Indian movie star Rajinikanth. Leveraging Alexa Skills Kit and the power of natural language processing, this skill offers an interactive and entertaining experience for users.

**Micropost Application**

Developed a Micropost application that allows users to share their thoughts and updates in real time. This application utilizes a fake REST API from jsonplaceholder.com, which simulates server interactions and data storage.

## LANGUAGE

HINDI : Native Speaker

ENGLISH : Listening C1, Reading C1, Writing C1, Spoken Production C1, Spoken Interaction C1

GERMAN : Beginner

## ACHIEVEMENTS

- Contributions to help the firm save hefty fines.
- Worked simultaneously on 2 projects as a fresher and maintained 3 Projects in different tech-stacks.
- 3<sup>rd</sup> Place in the university Math-a-thon.
- President Award Bharat Scouts & Guide.

## CERTIFICATIONS

- Professional Scrum Master – I
- ICAgile Professional Agile Coach Certification (ICP – ACC)
- Java Programming and Solving Problems with Software
- CS302: Software Engineering

**Organization :** Scrum.org

**Organization :** ICAgile

**Organization :** Duke University (Coursera)

**Organization :** Saylor Academy