OZWIN NEEL LOBO

✉ ozwinneellobo12@gmail.com ☐ (438)304-7353 ⓖ github.com/ozwin ⓛ ozwin-lobo ⚲ Canada

Education

Masters in Applied Computer Science - 3.5	*Sep 2022 – May 2024*
Concordia University, Montreal	
Bachelor of Engineering – Computer Science & Engineering - 8.3	*Aug 2014 – May 2018*
The National Institute of engineering Mysuru, India	

Technical Skills

Languages	C#, Go, Java, JavaScript, Python, Typescript, VB .Net
Frameworks	ASP .Net Webforms, .Net MVC, Web API, .Net Core, Vue JS, React JS, Node JS, Spring Boot
Deployment Strategies	AWS, Azure, GitHub Actions, Docker, Kubernetes, Argo CD
Database	SQL Server, PostgreSQL, Redis, Mongo DB, Neo4j
Monitoring	Grafana, InfluxDB, Prometheus
Web technologies	HTML5, CSS, Bootstrap
Tools	Git, TFS, JIRA, VS Code, Jenkins, Postman, Swagger, Rabbit MQ, Web Socket, Perforce

Work Experience

INSZoom — *Bengaluru, India*
Software Engineer — *July 2018 – Dec 2020*

- Provided direct support across all phases of the software development life cycle. (SDLC).
- Determined operational feasibility by evaluating analysis, problem definition, requirements, solution development, proposed solutions, and POCs.
- Developed REST APIs for applications with DDD and Onion architecture using SOLID principles of Object-Oriented Programming and design patterns. Developed internal tools for mass updates and to automated internal processes for the applications.
- Lead the team for 4 projects for technical design and development of backend and frontend.
- Member of Core Tech team involved in implementing coding standards, and code reviews and worked on security module of app.
- Credited with awards like Employee of the Month (3), Spot Awards (2), and Zoom Star (highest recognition award in the organization)
- Supported legacy application for bugs and minor enhancements, ensured smooth transition of old modules to new tech stack.

Neudesic Technologies — *Bengaluru, India*
Senior Consultant 1 — *Jan 2021 – Aug 2022*

- Developed REST APIs for scalable B2C applications using Golang and ProtoBuf.
- Worked on a next-generation data pipeline with efficient data structures for clients, that reduced data sync time across data sources from hours to seconds.
- Developed internal tools to automate client processes that saved time and money.
- Developed and maintained legacy Node JS and angular applications and backend services.
- Implemented Redis cache to client-facing application which improved performance significantly.
- Conducted KT sessions and demos across teams and respective stakeholders.
- Credited with award Neuspot (recognition awarded for high-performing employees)

Ubisoft — *Montreal, Canada*
Online Programmer Intern — *May 2023 – Aug 2023*

- Worked on C++ game servers for online interaction for players, and integrated various API endpoints.
- Developed microservice to support the online service for the multiplayer game Rainbow Six Siege using Go and Redis.
- Added observability for game servers and microservices using Prometheus, Redis, Grafana, Go workers, and APIs.

Société Générale — *Montreal, Canada*
Software Engineer Intern — *Sep 2023 – Dec 2023*

- Worked with the BI team to improve the dashboard performance, designed, and implemented a solution that brought load time for the existing 3 dashboards from 1 minute 30 seconds to just 5 seconds.
- Worked with the Innovation team to build prototypes for internal tools.
- Secured 3rd place in the cybersecurity coding challenge, competing against 60 members across the company.

Projects

Broadcast Module (INSZoom)**:**
Technologies: .Net Web API, SQL Server, PostgreSQL, SendGrid API, RabbitMQ, Vue JS
Description: Built a module for web application that allows user to schedule and broadcast email to different stakeholders through entity selection or by simply importing a spreadsheet with emails. Worked on the background service that picks up the scheduled emails on intervals and publishes messages to a queue, which are further picked up by the common email service to send them using send grid API.

LawPay Integration (INSZoom)**:**
Technologies: LawPay SDK, OAuth 2.0, .Net Web API, .Net MVC, VB .Net, SQL Server, PostgreSQL, Vue JS
Description: Integrated LawPay with application's billing module and enable payment directly from application or through email. Developed UX to support application theme and processes, brought legacy module features like installment payment, recurrence payment etc. from ASP .Net to Rest APIs.

Role Based Portal Setup (INSZoom):
Technologies: .Net Web API, SQL Server, PostgreSQL, Vue JS, .Net MVC, VB .Net
Description: Module to introduce role-based access management in the application, segregated all the applications access and setting through roles. This being the first project on new tech stack at the org, worked majorly on new UI component design and front-end framework design to meet the company and project requirements. Analyzed and made necessary change in legacy application to support the role-based access management.

DocuSign Integration (INSZoom)**:**
Technologies: DocuSign SDK, OAuth 2.0, .Net Web API, SQL Server, PostgreSQL, Vue JS
Description: Integrated DocuSign with application to enable e-signature of documents /contracts directly from application.

Smart Questionnaire (INSZoom)**:**
Technologies: .Net Web API, .Net MVC, SQL Server, PostgreSQL, Vue JS, AWS, Jenkins
Description: One of the core modules of the application, through this project we redesigned the module from the scratch to have simple workflow, easy to configure, and added new features to enhance productivity and better user experience. This being the B2C module of the application worked on web security module to ensure new tech stack respects all the security guidelines.

Letter and Document Management (INSZoom)**:**
Technologies: .Net Web API, .Net MVC, WOPI Rest API, SQL Server, PostgreSQL, Vue JS, Jenkins
Description: Module to add and manage client/ case specific letters all at one place, with features like document preview, keyword replace, e-sign, in app word document edit etc.

Keyword Module (INSZoom)
Technologies: .Net Web API, .Net MVC, SQL Server, PostgreSQL, Vue JS, Jenkins
Description: Revamped the keyword module, which provided Keywords to user that can be replaced with their values in documents/forms/letters on selection. I worked on the new UI for keyword search, keyword mapping etc. Designed Rest APIS to support it. Developed an internal tool to update legacy VB code base with new updated names for most of the old keywords and to test the values.

Product Selector (Neudesic)**:**
Technologies: Golang, Protobuf, Node JS, React, PostgreSQL, Mongo, Grafana, InfluxDB, Redis, Docker, K8
Description: Product selectors are a combination of dropdown that dynamically get their values from the crawlers and display the matching SKUs. As part of this project, we built a data pipeline to gather data from web crawlers and transform them into tree data structures to serve as part of the API. Built a portal to customize the product selector and configure rules for rendering. Built Rest APIs to serve this data for widgets used in customer website.

PriceSpider Widget (Neudesic)**:**
Technologies: JavaScript, Preact, Angular, Typescript, SQL Server, CDN, AWS
Description: Lightweight widget that can be customized by the customer to match their website themes and needs, that provides UI for user to find the prices for the product/SKU selected.

Chrome Extension for Widget Analysis (Neudesic)**:**
Technologies: React
Description: Developed a chrome extension using Manifest V2 to allow developers, customers, and supports team to easily debug and analyse the widget.