

# Sven Bert Olsson

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Extensive experience in software design and development, web technologies, project management, customer interaction, telecommunications, and technical documentation.

## AREAS OF EXPERTISE

### General

- Software Engineering: Architecture and Design, Development, Maintenance, and Support
- Change Tracking, Configuration Management, and Deployment
- SDLC Analysis, Documentation, and Enhancement
- Project Management: Planning, Progress Tracking, Release Management, Budgets
- Personnel Management: Hiring, Training, Evaluation, Supervision
- Technical Documentation: Requirements and Designs, User Guides, Reference Manuals
- Telecommunications Technology

### Software Engineering and Development

- System Architecture and Detailed Design
- Structured Object-Oriented Programming
- Web Service Design, Development, and Documentation
- Data Consumption, Translation, and Storage (ETL)
- Integration of 3<sup>rd</sup> party APIs
- Data Modeling and Database Schema Definition
- Maintenance and Debugging
- Performance Analysis and Mitigation

### Programming Languages

- C ~ C++
- JavaScript
- SQL
- Java (SE)
- PHP
- UNIX Shell

### Web Technologies

- HTML
- CSS
- JSON
- XML
- SOAP
- Apache ~ Tomcat
- Cloud Computing
- Java EE ~ Servlets ~ JSP
- Node.js ~ Express
- jQuery
- Laravel
- Payment Processing
- Smarty ~ Twig
- AWS
- WordPress
- Chatbots ~ DialogFlow
- Salesforce API
- eBay API
- Facebook Apps & API
- Twitter API
- Google Firebase

### Databases

- MySQL
- Oracle
- Postgres
- JDBC ~ ODBC
- PL/SQL
- Neo4j
- SQL Server
- Access

## Other Capabilities

- Git ~ SVN ~ CVS
- Photoshop
- Jira
- Moodle
- Alexa Skills
- Word
- Excel
- PowerPoint
- Postman ~ SoapUI
- Ant ~ Make ~ Maven
- Confluence
- UNIX Command-line Tools

## WORK HISTORY

### Founder of Olsson.Tech (Clinton NJ)

*December 2017 – Present*

Head of Everything of Olsson.Tech, providing custom software engineering services, largely for **W2O Group**.

Web Site 1: Architecture and development of **transitionforvalue.org**.  
*Moodle, PHP, JavaScript, HTML/CSS*

Web Site 2: Development and maintenance of **embracescartherapy.com**.  
*Laravel, MySQL, Salesforce API*

Chatbots: Architecture and development of prototype chatbots for **W2O** and a pharma client.  
*DialogFlow, Node.js, HTML/CSS*

Alexa Skill: Design and development of an Amazon Alexa Skill to be part of a W2O presentation.  
*Alexa Skills, Amazon Lambda, Node.js*

In addition to these **W2O** projects, acted as customer interface and developer for a major update of the **Millea Bros Auctions** web site (**milleabros.com**). The site is built in *WordPress*, using *Visual Composer*.

### Member of Digital Labs @ Endava (Mendham NJ)

*November 2015 – November 2017*

After the acquisition of Nickelfish by Endava, became member of the Endava US Digital Labs team.

Artis: Architecture and development of an internal blog and artifact manager for Endava.  
*Java, JSP, Neo4j Graph DB*

VR: Design and development of experimental VR Android application.  
*Java, Android SDK, Camera APIs*

### Director of Engineering @ Nickelfish IDM (Mendham NJ)

*May 2010 – October 2015*

Principal engineer and developer during the growth of Nickelfish, reporting directly to the officers of the company.

Coldwell Banker: System architect, customer contact, and backend developer as technical lead of a multi-year effort culminating in a major update to **coldwellbanker.com**.  
*PHP, ETL, Web Services, MySQL, Unix Shell, AEM*

Wyndham / RCI: System architect, customer contact, and developer for over half-a-dozen Wyndham / RCI projects over about 4 years.  
*PHP, Web Services, Data Feeds, HTML/CSS, JavaScript, Java, MySQL, Oracle*

W2O Group: Design and backend development for a number of web-based KPI dashboards in support of W2O work with Honeywell, Bayer, and others.  
*PHP, JavaScript, ETL for Metric and Social Media data*

You Give Goods: System architect, customer contact, and backend developer for **yougivegoods.com**.  
*PHP, MySQL, Data Feeds, Payment Processing*

Prudential: Architecture and customer interaction as technical lead of a Mobile Retirement Calculator.

In addition to the above, served as architect and developer of the server-side software for more than a dozen other Nickelfish projects based on a LAMP stack. The clients included **Benjamin Moore**, **Barker Black**, **Coleman Research**, **Fadó Irish Pubs**, **Howard Berger**, and **Kitchen Expo**.

### **Founder of Telcom 21** (Lebanon NJ)

*July 2006 – April 2010*

President and founder of Telcom 21, providing custom development services for the telecom industry. The primary client was **Custom Toll Free (CTF)**, a provider of toll-free service.

CTF: Architecture, design, development, and customer interaction for a comprehensive toll-free management system, interacting with SMS/800 (the national toll-free number database).  
*C++, PHP, MySQL, API, HTML/CSS, JavaScript, TCP/IP, ASN.1, Microsoft Access*

Divi: In addition to **CTF** work, partnered with my friend Dave Vioreanu and his company **Divi**. (Dave would soon become the CTO of Nickelfish, and I followed him to Mendham.) Some of the projects were a flight status display for **AT&T**, as well as web sites for **Pilates on 5<sup>th</sup>** and **The Connor Group**.

### **Director of Toll Free Systems @ csf Corporation** (Somerset NJ)

*June 1991 – July 2006*

Initially an architect and developer of custom solutions for *csf* clients (predominantly **AT&T**), and eventually moving into various leadership roles.

#### TheBestNumbers.com

A web application that provided a means to obtain quality toll-free numbers. Responsibilities included management of the entire line of business, design and development of the web application, as well as all customer negotiations and support.  
*PHP, Smarty templates, Payment Processing, JavaScript, Postgres*

8MS: Web application that allows service providers to manage their toll-free numbers by providing an interface to SMS/800. Managed 8MS development staff, interacted with customers, designed new features, etc.  
*C, C++, Java, JSP, HTML, JavaScript, Oracle, UNIX Shell*

### **Member of Technical Staff @ Bell Laboratories** (Murray Hill NJ)

*January 1977 – May 1991*

Joined AT&T Bell Labs as a *Laboratory Assistant* in the summer of '76. Hired as a *Technical Associate* shortly thereafter. Promoted to *Senior TA*, and, ultimately, to *Member of Technical Staff*.

ADW/COBOL: Lead member of a team responsible for the design and maintenance of a Windows-based client/server application to aid development of COBOL applications.  
*COBOL, UNIX Shell, Windows, SNA*

ISAS: Technical lead of the team responsible for the architecture, development, and deployment of a UNIX software configuration and change management system known as the **Integrated Software Administration System**.  
*C, C++, Lisp, UNIX Shell, SQL*

UNIX Utilities: Development and maintenance of a number of UNIX commands and system utilities.  
*C, C++, UNIX Shell*

UNIX Docs: Primary editor and curator for multiple iterations of a large set of UNIX System user guides and reference manuals.