DOMINIK SARAN

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SUMMARY

I started programming 27 years ago and never really stopped. Since then, I've worked as a business analyst, tester, developer, technical leader, manager and a CTO for a total of 16 years. I've built software for banks, fintechs, healthcare, mining companies and a few other industries. I've worked with several different programming languages and platforms, with people from around the globe while speaking 4 languages. People I work with say I produce high quality software. I strive to keep it this way, because I often use this very software as a user. When I don't work on software, I enjoy traveling (been to more than 100 countries).

EXPERIENCE

Technical Leader at SoftServe, a global technology consulting company.	Mar 2022 – Aug 2024

Led teams of developers, resolved architectural concerns, trained in advanced programming techniques, also did recruiting.

Featured projects:

Tech Lead at a major US real estate rental company (Mar 2024 – Aug 2024):

- Led the development of a booking app for touring apartments to rent. Led a team of 4 developers.
- Managed a migration from a legacy service hub to a modern middle tier service architecture.
- Worked with tight deadlines, legacy code inherited from another contractor and incomplete documentation.

Co-founder & **Chief Technology Officer** at Simplehealth, an innovative mental healthcare platform.	Oct 2020 – Jun 2024

Led the development of a highly complex platform of 4 apps, comprising online sales of medicines, issuing prescriptions, scheduling of doctor appointments and online health evaluations. The solution was on the market for 2 years and had paying customers.

- Defined the technology stack, physical and business architecture, data model, APIs.
- Implemented and tested the solution. Created integrations with payment and electronic signature providers.

Senior Software Engineer Manager at MACH, Chile's first 100% digital bank.	Jul 2020 – Jan 2022

Led backend development across the organization. Developed backend strategy of 3 axes: business, technology, team:

- Defined technical (backend) requirements for development of several new products.
- Continuously identified and mitigated roadblocks in backend development.
- Built a team of 35 extraordinary backend developers. Restructured the hiring process to strengthen the quality of hires.
- Initiated and led the transition from JavaScript to TypeScript across backend applications.
- Provided trainings in advanced JavaScript programming.

Led the implementation of real time electronic funds transfers, an ultra critical project with over **$350.000 USD of daily throughput** - key project in the transition to a full-service digital bank:

- Defined business and technical architecture. Led work of 5 developers.
- Eliminated dependency on one external provider; **mitigated losses of $50.000 per month**, on average.

Technical Leader at Keiron, a health-tech software company in Chile.	May 2020 – Jul 2020

Led the development of a feedback gathering and processing platform for Inter-American Development Bank:

- Defined backend and frontend architecture. Implemented the backend.
- Managed 1 frontend developer and external stakeholders.

Chief Technology Officer at Yapp Chile, the leading Chilean app in personal healthcare.	Nov 2019 – Apr 2020

Engaged to strengthen the organization's IT infrastructure and lead new digital initiatives to meet the needs of the expanding business. A challenging environment in a variety of aspects: technological (huge technical debt) and business-related (no clear schedule, lack of focus, poor leadership):

- Defined and constantly evaluated overall IT strategy.
- Supervised a team of 5 developers and an UX designer. Planned and managed daily workload of the team.
- Defined an architectural transformation strategy to move away from a non-scalable monolithic backend to a top-of-the line lambda-based solution. With a gradual transition, achieved scalability without compromising reliability.
- Managed the development of 5 business-critical applications encompassing user-facing apps, data analytics, transaction processing and mass data management.
- Worked closely with clients (pharmacies, clinics) to develop live two-way integrations between their systems and ours.
- Developed a new, robust data architecture and a migration path from the old one.

Frontend Lead and **Software Architect** at Wholemeaning, a Chilean maker of a world-class natural language processing system.	Aug 2014 – Oct 2019

Led the development of frontend services and applications. Designed, developed and managed a successful launch of the **two fastest growing** applications in terms of user count and revenue.

Featured projects:

Frontend Architecture Transformation (Nov 2018 – Oct 2019): Technical project manager and SCRUM master.

- Managed a migration of frontend services and apps from a legacy stack to a modern one. Goals: build a stable platform for future features, cut development time, increase availability, decrease error count and enhance user experience.
- Defined project roadmap, planned and coordinated execution.
- Authored and validated high-level architecture design in front-to-back API, data access abstractions, authentication and others.
- Created a REST API framework to automate and accelerate API creation by 90%.

Web-based Data Visualization Application (Sep 2014 – Oct 2019): Technical owner of the principal and most valuable frontend application, representing 81% of all revenue.

- Maintained and constantly improved an initially very low-quality inherited code.
- Managed to modularize old code, making the addition of future business features about 50% quicker.
- Designed and implemented a REST framework that halved the development time of new APIs (in Groovy and JavaScript).
- Designed and led the implementation of 6 of the current 8 business modules.

Browser-based Gmail and Outlook 365 Extension (Jun 2017 – Nov 2018):

- Designed and developed from scratch a browser extension to augment Gmail and Outlook 365 with a Wholemeaning-specific functionality. High impact project with a huge revenue generating potential.
- Did initial technical design, POC, stack selection, implementation, testing, hand-off to another programmer.
- Delivered high quality code on schedule.

Business & Systems Integration Analyst at Accenture, the world's leading technology consulting company.	Oct 2007 – Apr 2014

Featured projects:

C# Programmer at one of world's largest FMCG companies (Sep 2013 – Apr 2014): Integration of Sharepoint with MS Project Server in order to automate project management of new product launches.

- Developed a ASP.NET / C# Sharepoint application integrated with Project Server.
- Reduced Sharepoint workflow processing times from 10 minutes to 10 seconds.
- Reduced application loading time by approx. 30%; also reduced code complexity.
- Was highly evaluated for the quality of my work by my direct supervisor as well as by the project leader.

Business Process Designer at Poland's the third-largest bank (Jan 2012 – Jun 2012): Replacement of several legacy frontend systems with one web-based application unifying several backends into a single flow. Project with very tight deadlines.

- Designed approx. 30 new business processes and redesigned several legacy ones, always aiming at reducing complexity.

User Experience Lead, same as above (Jan 2012 – Jun 2012):

- Managed a team of UI designers with whom created more than 100 new artefacts.
- Created usability and look-and-feel rules for the app, enhancing the user experience.
- Managed the client-side performance area. Reduced the application load time by a factor of 3.

Testing Team Lead at a major Ukrainian bank (Jun 2009 – Feb 2010): Replacement of a legacy in-house core banking system with a new one (Oracle Flexcube).

- Led a testing team of 3 in addition to several client's employees involved. Planned test execution, verified test quality.
- Ran functional tests of credits, deposits, personal information and accounts.
- Worked in a culturally challenging environment, in a team of several nationalities and, sometimes, without a common language.

EDUCATION

Warsaw School of Economics, Warsaw, Poland	Oct 2002 – Sep 2008

Master in International Relations:

- Obtained a scholarship for academic merit twice.
- Final grade 5.0 of 5.5.

Georgetown University, Washington D.C., United States	Jan 2007 – Apr 2007

A special program of Economics and Public Policy studies:

- Received a scholarship for leadership abilities from The Fund for American Studies.

TECHNOLOGY STACK

Cloud providers:

- AWS
- Azure

Architectures:

- Monolithic (classic)
- Serverless monolithic (AWS Lambda)
- Microservices (Docker + Kubernetes)

Back-end platforms:

- Node.js, JavaScript, TypeScript
- Grails, Groovy
- Ktor, Kotlin

Front-end platforms:

- React, TypeScript

Database:

- MySQL
- Postgres
- MongoDB
- Amazon QLDB
- SQL Server
- ComosDB

Desktop platforms:

- .NET, C#

RELATED WORKS

A gentle introduction to monads by Dominik Saran: https://www.youtube.com/watch?v=KAhE0lQitBk

Railway Oriented Programming in JavaScript by Dominik Saran: https://www.youtube.com/watch?v=uHTHBroNp-s