JURGEN LUST

Engineering & Architecture Leader

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EXPERIENCE

Head of Domain Architecture | Enterprise Architect

De Lijn

📅 May 2023 – now   📍 Mechelen

- Lead a team of 8 Domain Architects, and community lead of the architecture community of 30 architects.
- Align the domain architecture with the company strategy and with Enterprise Architecture.
- Design, validation and organisation of the architecture practice, including architecture governance through the Architecture Review Board and quality control of architecture dossiers.
- Introduced AI tools to improve resource management by automatically summarizing 600+ project charters and scanning for architecture guidance needs, as well as analyzing the architecture repository for technical debt.

Head of Architecture

Napoleon Games

📅 October 2021 – May 2023   📍 Aalst

- Introduce and establish Enterprise Architecture throughout the company.
- Together with my team of 5 solution architects, coach and support product teams (both in-house and near-shoring) in software craftsmanship, architecture awareness and the move to the public cloud.
- Define target architecture, transition states and migration strategy for the merger into Superbet Group.

Architect

De Lijn

📅 January 2021 – September 2021   📍 Mechelen

- Architect for digital transformation programme aiming to create a frontend platform to support an omnichannel and personalized customer experience for De Lijn.
- Provide architecture governance within the architecture community.
- Coordinate vendor selections for several key building blocks.

Enterprise Architect

DPG Media

📅 January 2020 – now   📍 Vilvoorde/Antwerp

- Responsible for the architecture of the video platform that powers both VTM Go and Streamz.
- Together with the DevOps and CISO teams, govern the proper use of our chosen cloud platform and correct secure software development.
- Lead vendor selection processes, including the strategic partner for video transcoding.

MY LIFE PHILOSOPHY

"Try not to become a man of success, but rather try to become a man of value."

MOST PROUD OF

Persistence & leadership
aligning stakeholders in all segments of a multinational company to a single architecture roadmap and technology strategy

3 national elections
preventing fraud through biometrics

Courage I had
introducing evolutionary architecture in a governance-heavy organization

STRENGTHS

Getting Things Done   Efficiency
Motivator & Leader   Scientific Method
Challenging the status quo
Stakeholder Management
People Management
Inspect and Adapt

Lean & Agile   Technology Advisory
Architecture   Software Craftsmanship
Domain-Driven Design   Cloud Native
AI-Assisted Development   Scala
Functional Programming
Full-Stack Development

EDUCATION

MA Japanese Language and Culture

Ghent University

📅 1994 – 1999

EXPERIENCE - CONTINUED

Cofounder
Genius.Fish

📅 December 2019 – now   📍 Ghent

- Building a personal AI assistant for parents with special needs children, finding the balance between uncompromising privacy and the intelligence of modern LLMs.
- As CTO, responsible for product vision, solution architecture and technology choices, using AI-assisted development in a pair programming model.

Cofounder
Innovensō

📅 October 2019 – now   📍 Ghent

- IT leadership partner, enterprise architect and software craftsman, helping organisations drive meaningful business outcomes through hands-on interim leadership, architecture expertise and innovative software solutions.
- We believe in servant leadership, lean principles and evolutionary architecture, with a no-nonsense, pragmatic approach that keeps things simple and efficient.
- Created the Townplanner, a light-weight enterprise architecture tool.

Enterprise Architect | Chief Architect Digital | Head of Solution Architecture
Thomas Cook Group

📅 August 2017 – October 2019   📍 London/Stockholm/Frankfurt/Kiev/Malaga

- Transformed the IT organisation towards lean value-driven and agile delivery using the Spotify model, fostering ownership and psychological safety in a complex multinational environment with both in-house and nearshore teams.
- Defined and achieved stakeholder endorsement of the enterprise IT technology direction and cloud strategy, in particular in the perspective of digital transformation programmes.
- Supervised solution choices and design as the chairman of the Group IT Design Authority, optimised delivery methodologies (CI/CD) and guided development teams as chief architect.
- Managed and coached a team of 8 architects and engineers in evolutionary architecture to deliver quality at speed.

Enterprise Architect | Product Owner
Cronos Group

📅 January 2017 – July 2017   📍 Kontich/Waregem/Stuttgart

- Started the architecture practice in a multinational company at the start of their digital transformation.
- Defined the product roadmap and led the architecture of a digital health startup and coached development teams in lean, DDD, event-sourcing and microservice architecture.
- Provided technology advisory for one of the largest consulting firms in Belgium.

SKILLS

Agile/Lean	●●●●●
People Management	●●●●○
Architecture	●●●●●
IT Organization Design	●●●●○
Software Craftsmanship	●●●●○
Cloud	●●●○○

LANGUAGES

English	●●●●●
Dutch	●●●●●
French	●●●●○
German	●●○○○
Japanese	●○○○○

EXPERIENCE - CONTINUED

Architect
De Persgroep/DPG Media

📅 October 2013 – December 2016   📍 Asse/Lokeren/Rotterdam/Amsterdam

- Led the architecture of the content management and distribution system for all online and offline publications across 3 countries, for the largest media group in the Benelux.
- Partnered with IT leadership to build a new company culture based on cross-functional teams, ownership, continuous improvement and a You Build It You Run It mentality—a culture that endures today.
- Guided development teams towards software craftsmanship, continuous delivery, domain-driven design, event-driven microservice architecture and chaos engineering.

Head of Development
Code Inc

📅 July 2008 – February 2013   📍 Ghent/Ottawa/Nairobi

- Defined the product roadmap of a large scale biometric voter registration system, including fraud detection through n-to-n matching based on fingerprints, face recognition and retina scans.
- Defined the architecture and supervised the design of the platform, with a heavy focus on security and performance.
- Led the development, test and successful roll-out of the solution in Kenya, Gambia and Fiji for national elections in 2010, 2011 and 2012, registering millions of voters.

Open Source Contributor
Apache MyFaces

📅 2004 – 2010

- Contributed to the design and development of the Tomahawk component library for Apache MyFaces.
- Designed and developed the tc-schedule component (web component for building Outlook-like calendars).

Software Engineer, Project Manager and Architect
Ghent University

📅 February 2000 – September 2013   📍 Ghent

- Evolved from junior Java developer to head of Java development.
- Led the architecture and the development of the student administration and information system, an e-learning platform for languages and a reservation management system.
- Project manager of one of the biggest strategic IT projects, implementing SAP to optimise facility and asset management.

INSPIRED BY

📖 Currently Reading

- Lamarre, Eric, Kate Smaje, and Rodney Zemmel (2023). "Rewired. The McKinsey Guide to Outcompeting in the Age of Digital and AI".
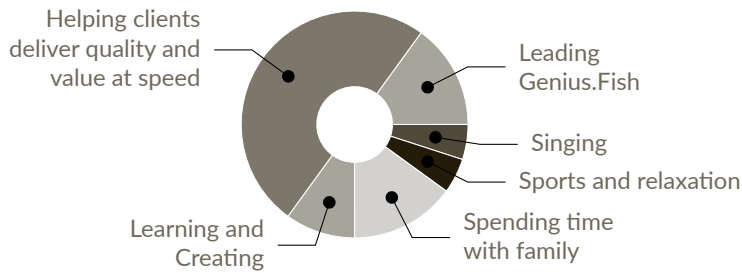
📚 Books

- Skelton, Matthew and Manuel Pais (Sept. 2019). *Team Topologies: Organizing Business and Technology Teams for Fast Flow*. IT Revolution.
- Brandolini, Alberto (June 2018). *Introducing Event Storming*. LeanPub.
- Ford, Neal, Rebecca Parsons, and Patrick Kua (Sept. 2017). *Building Evolutionary Architectures, Support Constant Change*. O'Reilly Media.
- Rosenthal, Casey et al. (May 2017). *Chaos Engineering, Building Confidence in System Behavior through Experiments*. O'Reilly Media.
- Hohpe, Gregor (Aug. 2016). *37 Things One Architect Knows About IT Transformation: A Chief Architect's Journey*. CreateSpace Independent Publishing Platform.
- Newman, Sam (Feb. 2015). *Building Microservices*. O'Reilly Media.
- Liker, Jeffrey K. (2014). *The Toyota Way*. McGraw-Hill.
- Berk, Laura E. (Sept. 2013). *Child Development, Ninth Edition*. Pearson.
- Ries, Eric (Sept. 2011). *The Lean Startup*. Crown Publishing Group.
- Ross, Jean W., Peter Weill, and David C. Robertson (2006). *Enterprise Architecture as Strategy*. Harvard Business School Publishing.
- Evans, Eric J. (2003). *Domain-Driven Design, Tackling Complexity in the Heart of Software*. Addison Wesley.

📄 Articles

- Board, ThoughtWorks Technology Advisory (May 2018). "Technology Radar". In: *ThoughtWorks.com* 18.
- AWS (Nov. 2017). "Amazon Well-Architected Framework". In: *Amazon Web Services White Papers*.
- Beck, Kent et al. (2001). "Manifesto for Agile Software Development". In: *agilemanifesto.org*.

A DAY OF MY LIFE

Helping clients deliver quality and value at speed

Leading Genius.Fish

Singing

Sports and relaxation

Spending time with family

Learning and Creating

TRAINING

Architecture

- Foundation Enterprise Architect Certification Training (TOGAF 9.2)
- Fundamentals of Enterprise Architecture
- Enterprise Architecture Applied Concepts
- Mastering the Requirements Process
- Pragmatic Modelling with UML
- Enterprise Information Architecture Master Class
- User Centered Design Master Class
- Design Thinking

Cloud

- AWS Certified Solutions Architect - Associate 2017
- AWS Certified Solutions Architect - Professional 2017
- Google Cloud Platform Fundamentals
- Azure Fundamentals
- Computing, Storage and Security with Google Cloud Platform
- Configuration Management on Google Cloud Platform
- Designing Highly Scalable Web Apps on Google Cloud Platform

Software Craftsmanship

- Functional Programming in Scala
- Functional Program Design in Scala
- Programming Reactive Systems
- AWS Certified Developer - Associate 2017
- AWS Certified SysOps Engineer - Associate 2017

Management

- Certified Scrum Master
- Non-Violent Communication
- Visual Facilitation

MY LIFE PROJECT

Supporting families with special needs children

As an IT consultant, together with my co-founder at Innovensō, we allocate a significant part of our revenue to fund the development of a personal assistance platform and tools for families with special needs children.
We want to help understanding child development and offer professional guidance to embrace the unique needs and talents of each child.