



FABRICE DUCHE

Agile IT Leader with a Passion for Digital Innovation

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MAIN COMPETENCIES

- Project Leadership
- Digital Transformation
- IT Architecture
- Lean, Agile, OpEx
- Full-Stack Development

VALUE PROPOSITION

“Leveraging upon latest technology trends and crafted development, I take a proactive approach to anticipating your corporate next big opportunity, efficiently delivering customer-centric value through digital innovation.”

Visionary and tactical project overseer well versed in strategic decision making:

- EU-ASIA culture, European with > 20 years in Asia (7 in China)
- Proven records in business development, management and networking
- Senior consulting level in IT solutions

Success driven and entrepreneurial multicultural team leader:

- Attentive coach who assists cross-functional project teams to intelligently reach the tangible results needed to move forward.
- Gentle and inspiring motivator, with the necessary business and technical background to ignite the spark for positive change.

Creative thinker with an extensive practice in Business-IT alignment:

- Architect and core developer of innovative, state of the art, corporate level IT custom solutions for startups and turnovers.
- Enhance business and IT processes, improving financial performance and marketplace competitiveness.

INTERESTS

- Gardening
- Emerging technologies
- Finance & Investments
- Blockchain, IoT, AI
- Mindfulness
- Outdoors

MANTRA

“The people who are crazy enough to think they can change the world are the ones who do.”

LANGUAGES

- ENGLISH
- FRENCH
- CHINESE
- THAI

Scan the code to see my Portfolio:



SKILLS

(Technologies & approaches I mostly use)

PROJECT MANAGEMENT



Lean & Agile management
Analysis & alignment: SWOT / PESTLE / GAP / AHP / FMEA / ISO 31000
Collaboration: Google Workspace / MS Team / JIRA / Trello / Slack / Asana / Hygger

APPROACHES



DDD (Domain Driven Development)
Lean Six Sigma (black belt)
Agile: eXtreme Programming / Scrum / SAFe

QUALITY ASSURANCE



Code analysis (SonarQube) / Non-regression (Cloudnetcare) / Unit tests (JUnit) /
Performance tests (JMeter) / Usability tests (A/B testing, TRYMyUI) / Metrics
(Elastic Stack)

ARCHITECTURE



C4 modeling / Archimate / ServiceNow (EA Workspace)
Hexagonal & Clean architectures
Microservices & Event-driven architectures

DEVOPS



Git / Jenkins / Docker / Kubernetes / Rancher (RKE) / Terraform / Dynatrace
At ease with AWS, GCP and more.

SECURITY



Bastion / Vault / Keystore (JKS) / IAM (Cloud based, Keycloak, Ping) / SIEM (Elastic
Security, Splunk, IBM QRadar)
Familiar with crypto libraries (ie: BouncyCastle).

LANGUAGES



JAVA (JSE, JEE) / PHP (Zend, Yii, Codeigniter, Cake) / Python / Groovy / Go
Familiar with many Java libraries (Guice, Hibernate, Shiro, SLF4j, GSON,
Xerces, Mina, iText, Jmail, etc...). Quarkus evangelist.

FRONT-END



JavaScript (ES6) / HTML5 / CSS3 / jQuery / Bootstrap / Angular & React (notions)
Mastering SPA (Single Page App) and CDO (Content Delivery Optimization) issues.

BACK-END



Glassfish | Payara / Websphere / Tomcat / Nginx / LAMP | XAMPP / Node
With High Availability setup including in multi-cloud or hybrid-cloud environments.

DATA



DB: MySQL | MariaDB / Derby / Cassandra / MongoDB / InfluxDB / Neo4J (bases)
EBS: Oracle MQ / RabbitMQ / Kafka / Mosquitto
Caching: Redis / Hazelcast / Infinispan / Caffeine

OS



Linux (Unbutu, CentOS, Tails, Kali) / Window Server (WS 2003 to WS 2022)
Including regular maintenance and server hardening.

ECOMMERCE



Salmon / Magento / BigCommerce / Shopify / Prestashop / WP Woo / Liferay
With specific understanding of scalability and performance issues.

OTHER



IoT (Arduino & Raspberry) / Blockchain (Ethereum, Bitcoin...) / AI (bases)



PROFESSIONAL HISTORY

(Some of my freelance works)

CTO hands-on, [Easysssl.us](#) 02-2019 to today

Created an SSL certificates automated application and renewal on-line service. Coded the whole back-end solution and the website, set up high availability and custom monitoring scripts. Service is a time-saver and ease the whole process for users.

A project carried out free of charge! The main idea being to provide an alternative to Cerbot, without its complexity and fully decoupled from servers. Done.

Java | BouncyCastle | ACME | SSL | Docker | Bootstrap | JavaScript | HTML5 | CSS3 | Project management | Agile Scrum | Lean management | Technical lead | Full-stack development

CTO hands-on, [Salmon-ecommerce.com](#) 02-2015 to today

Conceived and developed an innovative, decoupled Hybrid/Headless CMS and its whole SaaS platform, with built-in performance oriented mechanisms and metrics. Perfect for large and complex ecommerce websites and demanding online applications.

I successfully landed Salmon onto a highly competitive market by leveraging upon deep tech alike strategies, clear USP pinpoint, constant biz/IT alignment and personalized customer experiences. Reached an average 85% customer loyalty rate (NPS 90, RPR 96, UR 68) and a steady client base grow.

IT architecture | Java | API | REST | Cryptology | Data science | DevOps | Kafka | MVC | Bootstrap | JavaScript | HTML5 | CSS3 | Project management | DDD | Agile SAFe | Lean Six Sigma | Team leadership | Technical lead | Innovation management | Full-stack development

Tech Lead and Solution Architect, ADEO Group, [Adeo.com](#) 02-2021 to 07-2021

Conceived both code and architecture of an internal reporting and management application framework connecting branches and suppliers data internationally. Daily interacted with business, secops, legal teams to insure continuous alignment.

Architectural decisions and approaches I promoted helped the group business unit I was in reduce to 40% its TCO, accelerate by a factor of 5 its velocity, re-motivate the team and led to an innovative, fully rethought digital product.

Hexagonal Archi. | C4 | Java | Quarkus | Vert.x | MongoDB | IAM | Docker | Kubernetes | GKE | Digital transformation | DDD | Agile Scrum | Lean management | Technical lead | Full-stack development

Tech Lead and Software Architect, [MobileExchange](#) 07-2014 to 10-2016

Mobile application and its own SaaS allowing phone resellers and repair shops to scan and manage their stock, to instant get relevant information (ownership, specs...) about any phone they are being handled through factory connectivity.

Though consolidating code bases and approaches I had developed over years into a SaaS platform, I allowed clients to greatly reduce their TCO while boosting their TTM. In the case of MobileExchange this made the project go live in less than 6 months at 1/3 of the otherwise estimated budget.

IT architecture | Android | Java | IMEI | Google Vision | RabbitMQ | MongoDB | Project management | Technical lead | Full-stack development

Full-stack Developer and System Architect, FAFSA, [Studentaid.gov](#) 01-2014 to 09-2014

For a private operator, automated submission and approval updates of Federal Student Aid (US government agency) application. Re-coding of the whole internal software and new system architecture.

Thanks to the new architecture and quality code that complies with government requirements (security, resources, etc.), the agent was able to renew its authorizations with the FAFSA and continue its activity.

Java | SQL Server | REST | JavaScript | HTML5 | CSS3 | IT architecture | System administration | Digital transformation | Full-stack development

Full-stack Developer, RackExchange now [Upstyla.com](#) 05-2013 to 12-2013

In-house Magento improved version for the original marketplace, including custom memory caches, recoding of resources hungry functions, ultra fast speed boost, and overall code robustness.

As a result of a sound approach of analysis and innovation, the high-performance platform that I delivered was able to guarantee a quality user experience even during high traffic, despite a limited budget not allowing scalability via the cloud.

Magento | PHP | On-Page optimization | MySQL | jQuery | JavaScript | HTML | CSS | Full-stack development

Lead Developer [Polarboot](#) 04-2012 to 04-2013

Developed in Java a whole featured SMS server with authentic two-ways channel (MO/MT/WebSMS), along its web platform (monitoring, SMS chat), premium numbers handling, high speed messaging (avg. 20K messages/second).

Back to that time, there was no global offer for SMPP-HTTP connectivity. The solution I conceived for Polarboot allowed it to aggregate individual, country level SMS gateway offers into a single platform, saving hundred thousands USD on connection and operating fees.

Java | MQ | JMS | Glassfish | Servlet | Hibernate | UI/UX | Jboss | JavaScript | HTML | CSS | Project management | Team leadership | Technical lead | Full-stack development

IT Consultant, [Self Employed](#) 03-2004 to 03-2012

Business consulting activity in the fields of online commerce and technical information. IT governance, IT leveraging, Business-IT alignment, e-marketing, development and coaching.

A long list of satisfied clients and opportunities for exciting projects. For example, creation of an online listing of investments in Tibet, audit & consulting for a local company with UNESCO, works with the Bank Of China...

Audit | Consulting | Web strategy | Project management | Team leadership | Technical lead | Full-stack development | E-commerce | IT architecture

Founder, Full-stack Developer, [Careershore.com](#) 10-2004 to 10-2008

Online Internship Placement Service, with automated match making, profile submission, documents generation, career advices. ~150K offers at peak times.

Started as a free service to help international students, I managed to grow CareerShore into a mature and very popular service. Side revenues I negotiated such as travel, housing, insurance deals allowed to keep the core activity affordable to on-budget students.

Java | WebSphere | MySQL | JavaScript | HTML | CSS | Project management | Team leadership | Full-stack development

Full-stack Developer, [StarIP2000](#) 01-2000 to 03-2002

IP and network software, allowing hosting without static IP. DynDNS alternative based upon dynamic IP update on a redirected HTTP web page.

One of my first IT business adventure, StarIP2000 was also one of the first adware at that time. I literally went door to door to sell ads placement to small shops. It actually worked and allowed me to finance my career and travel perspectives.

Java | System administration | DNS | TCP-IP | MySQL | JavaScript | HTML | CSS | Web strategy | Full-stack development

EDUCATION

Self-made man

Since I was a teenager I have been passionate about everything IT. Started to code with a zx81 from Sinclair. Have been an early adopter of Sun Java back to 1996-97. Now taking deeper steps into IoT, blockchain and AI programming.

Electronics certificate

BEP électronique (CNED, France, 1995)

Electronics engineering certification. Useful for any IoT project.

CERTIFICATIONS

Innovation mngt. certificate

Innovation Management (Coursera, 2020) 

Innovation Management course offered and graded by Erasmus University Rotterdam.

Agile Scrum certificate

Scrum Foundation, SFPC (Certipro, 2020) 

Scrum professional course & certification by Certipro.

Agile leadership certificate

Agile Transformation and Scaled Agile (Udemy, 2022) 

Leading agile transformation for big enterprises course by ICAN Consultancy.

Adv. management certificate

The Complete Management Skills (Udemy, 2022) 

Similar to MIT's Advanced Management Program. Used at Amazon®, Unilever®, Walmart®, Nissan®, Citibank® and other top firms. Course by Eazl business school.

Lean Six Sigma certificate

Lean Six Sigma Black Belt (Udemy, 2022) 

Lean management, manufacturing and 6 Sigma course by Six Sigma Academy Amsterdam.

Risk management certificate

Risk Management Expert (Udemy, 2023) 

Risk Management FMEA ISO 31000 course by Six Sigma Academy Amsterdam.

OPEX certificate

Operational Excellence, OPEX Expert (SSAA, 2023) 

BKO accredited expert training and examination by Six Sigma Academy Amsterdam.

FinOps course

FinOps at your Organisation (Udemy, 2023) 

FinOps executive education offered by Deloitte SAM Academy.