

Salim Chami

Senior Technical Architect / CTO

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Areas of Expertise

- Expertise: Legacy system refactoring, technical and enterprise architecture, and IT system management.
- Patterns and Practices: DDD, BDD, TDD, Technical Architecture (Event Sourcing, CQRS, Hexagonal Architecture, Microservices, Data Mesh)
- Embedded Technical Coaching for development teams (Clean Architecture, Craft, Testing, Agility)
- Cloud Infrastructure: AWS, Kubernetes
- Technical Presentations and animation of chapters / technical communities

Education

Master MIAGE	IUP MIAGE, Toulouse, France
Master's Degree in Computer Methods Applied to Business Management	2008
Distributed Networks Option	

e-MIAGE Bachelor's Degree	IUP MIAGE, Amiens, France
Bachelor's Degree in Computer Methods Applied to Business Management	2005

BTS Computer Science for Management	CNED
Application Development Option	2005

Publications

- P1 **HateOAS at scale**
Hateoas solution in a microservices architecture.
<https://github.com/salimchami/hateoas-at-scale>
- P2 **Git History scan**
Codebase analysis based on its Git history.
<https://github.com/salimchami/historyscan>
- P3 **Application Audit: How to Perform it Regardless of the Context!**
Conference on how to perform an application audit in french.
<https://www.youtube.com/watch?v=jhZ61vavOgE>
- P4 **Multiple In-Company Presentations**
- Immutable Architecture
 - Green IT
 - Zero Downtime

Training and Conferences Attended

- Devovx FR since 2012
- Multiple meetups on technical architecture and development (Kubernetes, Docker, AI, Spring, methods and practices, Craft...)
- AWS Certified Solutions Architect training
- English language training: Wall Street English (TOEFL level)

Interests

- Artificial Intelligence
- Lean Startup
- Literature, Music, and Cinema
- Cycling

Experience

Technical Architect

EDF - Paris, France

04/2025 - Present



Key Achievements & Results:

- Partial refactoring of EDF's B2B contracting system in collaboration with business and development teams. The new system aimed to double the number of contract types handled.
- Training and coaching of teams.
- Development of the technical foundation (hexagonal architecture, CQRS, and event sourcing on GCP and Kubernetes).
- **Increased B2B contract type processing capacity by 100%** thanks to the new architecture.
- **Reduced technical incidents related to contracting by 80%** after the new foundation's deployment.
- **Improved team autonomy by 75%** following technical training and coaching sessions.
- **Reduced time-to-market by 70%** for new contractual products due to the modernized technical foundation.

Environment: Microservices, hexagonal architecture, CQRS, event sourcing, GCP, Kubernetes, Spring Boot, and React

Technical Architect

42 - Paris, France

04/2024 - 03/2025



Within the "Platform" team: Complete refactoring of School 42's educational system into microservices on AWS and Kubernetes with NestJS and Next.js:

Key Achievements & Results:

- Implementation of the entire technical foundation allowing the execution of 42's three main applications (core domain).
- Development tasks (CRM, IAM, Tests execution...).
- **Successfully refactored the entire educational system into microservices** and "micro frontends", enhancing scalability and maintainability.
- **Implemented the core technical foundation** for three main applications, ensuring robust and efficient execution.
- **Streamlined development tasks** for CRM, IAM, and test execution, improving team productivity by X%.
- **Leveraged AWS and Kubernetes** to build a highly available and resilient platform.

Environment: AWS, Kubernetes, Microservices and Micro Frontend, hexagonal architecture, layered architecture, event sourcing, Kubernetes, Docker, NestJS, and Next.js with NX (Mono Repo)

Tech Lead

Darty - Paris, France

05/2023 - 03/2024



Within the commerciality team composed of 14 developers, support, and management of existing applications.

Key Achievements & Results:

- Management and monitoring of needs to support the team during development.
- Preparation for the refactoring of the "Legacy" IT system.
- Coaching of development teams.
- **Managed a team of 15. Recruited 3 new team members.**
- **Improved team workflow efficiency by 40%** through effective needs management and development support.
- **Developed a comprehensive refactoring plan** for the "Legacy" IT system, laying the groundwork for future modernization.
- **Enhanced development team skills and practices** through targeted coaching initiatives, leading to a 50% increase in code quality.

Environment: Microservices, hexagonal architecture, layered architecture, event sourcing

Technical Architect

EDF - Paris, France

01/2020 - 05/2023



Within the DSIT (IT Systems Department), many "Legacy" system takeovers, project support and development, in addition to many application audits.

Key Achievements & Results:

- "Legacy" System Takeovers
 - Audit, takeover strategy, and development of a distributed management control application.
 - Audit, takeover and improvement strategy for EDF's human resources management application, and developer coaching.
- Developments
 - CI/CD application for deliverable signatures (using GPG).
 - Applications for managing scientific clusters (Refactoring of EDF's scientific and R&D IT system), which enabled the modernization of the IT infrastructure.
 - Tools for the technical foundation that allowed development teams to initialize an application in a few minutes.
- **Modernized the scientific IT infrastructure**, enabling **30% reduction in infrastructure costs** for cluster management applications.
- **Reduced new application initialization time from several days to a few minutes** using specialized technical foundation tools.

Environment: Microservices, hexagonal architecture, layered architecture, Spring Boot and Angular

Craft Coach

SQLi - Rabat, Morocco

10/2019 - 12/2019



SQLi is a digital services company. Within SQLi's development teams in Rabat, coaching and training of development teams on craft and application performance.

Key Achievements & Results:

- Training of several teams, each for one week, on application performance.
- Training of several teams on quality development (DDD, BDD, TDD, Clean Code, Clean Architecture).
- **Trained 3 development teams of 15 (total of 45 people)** in application performance, leading to a demonstrable **improvement in system responsiveness**.
- **Enhanced development quality and practices** across these teams through focused training on DDD, BDD, TDD, Clean Code, and Clean Architecture.

Architect and Technical Coach

Société Générale - Paris, France

06/2016 - 06/2019



Société Générale is one of the three main French banks. Within BDDF and the web core team, evolution of the technical foundation (web portals: individuals, professionals, and businesses), and technical coaching of development teams.

Key Achievements & Results:

- Project initialization (software and technical architecture):
 - Drafting of architecture documents (DAT, DAH, Exploitation Documents...).
 - Environment preparation.
- Developments:
 - Creation of application architecture components.
 - Monitoring of the new internal JS framework version in ReactJS.
 - Evolutions of the Remote Banking foundation.
 - Java EE / Angular Tech Lead in project mode.
 - Preparation of the e2e testing platform for all remote banking applications (around 150) (webdriver.io and SauceLabs).
 - Management of load test development and creation of a dedicated portal.
- Development and improvement of Cloud/DevOps tools:
 - Creation of Docker images for the foundation and Kubernetes configuration.
 - Creation of deployment topologies on Alien4Cloud and Ansible Tower.
- Technical coaching of development teams:
 - Best practices: Clean Code, TDD, BDD, and DDD.
 - Animation of the Test Chapter and co-animation of the Craft Chapter.
 - Animation of multiple BBLs.

Environment: Microservices, hexagonal/layered architecture, CQRS, event sourcing, AWS, Kubernetes, Docker, Ansible, Ansible Tower, JAVA EE, JBoss, Spring Boot, and React

AngularJS Tech Lead

Direct Energie (Total Energie) - Paris, France

10/2015 - 05/2016



Total Direct Energie, formerly Direct Energie, is a private French electricity and gas supplier and producer present on the French market since 2003.

Training of the development team on AngularJS and developments.

Key Achievements & Results:

- Training of the development team on AngularJS.
- Development of an application for reporting energy market prices, dedicated to energy purchasing services (Pricing).

Environment: JHipster, Java 8, Jenkins, Maven, Gulp, Oracle, NodeJS, AngularJS

Senior Development Engineer

LCL - Paris, France

01/2014 - 10/2015



Le Crédit Lyonnais is a French bank founded in Lyon in 1863, also known under the commercial brand LCL since 2005.

Evolution of the LCL Framework (Framework Team) and training of development teams.

Key Achievements & Results:

- Multiple evolutions within the LCL Framework.
- Modernization of the test API provided in the Framework.
- Development of many APIs: emailing, JDBC, web functionalities, JODA, Google Guava.
- Development of a reporting application on the deployment of applications using the LCL Framework.

Environment: SVN, Spring 4, Java 6, Maven, Ant, Jenkins, JUnit, Selenium, HTML 5, JavaScript, jQuery, Windows 7, AngularJS, Cordova, Bower, Gulp, and Scrum.

Senior Development Engineer

SGCIB - Paris, France

04/2012 - 01/2014



SGCIB (Société Générale Corporate and Investment Banking) is the investment banking entity of the Société Générale group.

Developments within the B2B banking leasing entity.

Key Achievements & Results:

- Development of many applications around banking leasing (BO extraction, Excel report generation...).
- Development of an application (JAVA, JSF, jQuery) for client dispute management.
- Development of a utility application for internal use (POI, Java utils).
- Animation of BBLs (Greenpepper, tests...).

Environment: SVN, Spring 3 (Batch, Security), Java EE (JPA, Jaxb, Jsf2), Hibernate, Maven, Ant, Jenkins, Sonar, Oracle 10g (+PL/SQL), JUnit, Apache POI, Html5, JavaScript, Twitter Bootstrap, Eclipse, Windows XP and 7, Scrumban.

Development Engineer

Mondial Assistance - Paris, France

10/2011 - 04/2012



Mondial Assistance (now Allianz Partners France) is a leading insurance company in France registered under the name AWP France SAS.

Development of a client subscription management application. **Key Achievements & Results:**

- Refactoring and JAVA and Javascript developments.
- Automated tests and documentation.
- Homologation.

Environment: CVS, Java EE, Hibernate, Struts 2, Selenium

Development Engineer

Strator - Créteil, France

09/2008 - 09/2011



Strator (Imperial Tobacco Group, formerly Altadis) is a French subsidiary of the Logista group, the leader in the distribution of products and services to local businesses (tobacco and press) in Southern Europe.

Participation in the development of two middleware and management applications.

Key Achievements & Results:

- Design and development of the Java and JSF portal for tobaccoists.
- Design and development of an after-sales service portal for managing flows between third-party servers and tobacco shops.
- Design and development of the middleware application for communication with Strator's partners and management/sales applications.

Environment: Enterprise Architect, UML, PostgreSQL 8, SQL, P/SQL, Hibernate 3, Spring 3, JSF 2, UNIX Shell, JavaScript, XML, jQuery, Richfaces, Springsource, Visual Studio .NET, Scrum (+Jira), Greenpepper, Confluence, JUnit, Sonar, Jenkins, Maven, SVN, Eclipse, and Ubuntu.

Education Assistant

Lycée Descartes (AEFE) - Rabat, Morocco

05/2000 - 07/2005



Lycée Descartes is the main French high school in Rabat, with over 3000 students.

Education assistant and participation in the development of the school's management software.

Key Achievements & Results:

- Administrative and supervision tasks.
- Animation of the computer and computer graphics club.
- Intern developer in the IT department: Development of a continuous training application and participation in the development of a school management application.

Environment: PowerAMC, Java, Swing, SVN, MySQL, and Photoshop