



BAHRI BENGUESMIA

PRINCIPAL SOFTWARE ENGINEER, SENIOR TECHNICAL ARCHITECT,
CLOUD ARCHITECT, BLOCKCHAIN AND AI ENTHUSIAST

PROFESSIONAL PROFILE

With over 14 years of rich experience in the technology industry, I am deeply passionate about software development and continuously innovate in technical architecture. My expertise lies in leading projects with a strategic vision, my experience in software engineering and a sharp focus on emerging technologies. I am known for my collaborative leadership style, particularly in guiding development teams towards achieving technological excellence.

A key strength is my ability to autonomously learn and adapt to new technologies, keeping me at the forefront of the industry. This skill enables me to consistently introduce fresh and innovative solutions. As a leader, I thrive in motivating my teams, fostering an environment of creativity and technological growth, ensuring that we collectively push the boundaries of what's possible in the tech world.

AREAS OF EXPERTISE (SKILLS / PLATFORMS)

- Senior Software Engineer (Python, Rust, Dart, Java, GO, C++, NodeJS, C#).
- Senior Technical Architect on e-commerce and cloud platforms.
- Salesforce Commerce Cloud (SFRA, Sitegenesis).
- AWS Solution Architect. (EC2, S3, Aurora, DynamoDB, ECS, EKS, Fargate, Api gateway, Lambda ...).
- Docker, K8s, Terraform.
- Blockchain (Truffle, web3.js, Solidity, Cosmos SDK).
- Flutter 3, GetX, Parse Platform, GraphQL.
- Github, Bitbucket, CI/CD, SoapUI, Postman.
- MongoDB, PostgreSQL, Mysql, Firebase, Redis.
- Frontend development (HTML5/CSS/Javascript/tailwind/ReactJS).

EDUCATION

- Master in software engineering.
- School of engineering – 3IL Limoge-France.
- Microsoft Certified Professional (MCP).
- Salesforce Certified Commerce Cloud Developer.
- Salesforce Certified Commerce Cloud Architect.
- Language : French, English.

CONTACT DETAILS

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PROFESSIONAL EXPERIENCE

SENIOR TECHNICAL ARCHITECT

Salesforce | 2018 - Current job | Remote

- Played a pivotal role as a Principal Software Engineer in various projects for the LVMH group. This included technical consultancy and core model e-commerce project development for prestigious brands like Dior, Givenchy, Guerlain, and Makeup Forever. Worked on the integration of commerce cloud for Rimowa.com and enabled the salesforce partner "SQLI" on SFRA for Fred.com. Additionally, provided expert solutions for technical issues and performance audits for these luxury brands.
- Acted as a Senior Technical Architect consultant for several majors brands and companies (Hermès, Jacquemus, Blancheporte, CourseU, Alinea, Delsey, Picard, Neckandneck, shiseido, Remy Cointreau, Etro, Slamjam, Caroll, Jule, Brice ...) focusing on resolving intricate issues. conducted comprehensive code audits, catalog modeling, ensuring performance and security optimization.
- Participated in presales activities for several customers.
- Led major e-commerce projects as a Principal Software Engineer, including Stand-prive.com, LesGeorgettes.com and Crosscall.com, overseeing the integration of multiple systems (Payments with Adyen | Stripe | Paypal | Oney ..., Bots Managments, Taxes third part, Return and refund system, ERP integration ...), managing international development teams, and designing e-commerce architecture.
- Working as a senior architect with the majors salesforce partners like Capgemini, OSF, Viseo, Accenture, Madagence...

LEAD MOBILE DEVELOPER

Afrostream | December 2016 - Oct 2017 | Nantes

- Played a key role in the development of an innovative Android streaming application, similar to Netflix, utilizing advanced mobile app development skills.
- Integrated Exoplayer with DASH protocol and DRM, demonstrating capabilities in secure and efficient video streaming technologies.
- Successfully integrated Chromecast into the mobile platform and created a custom Chromecast receiver application using JavaScript.
- Efficiently integrated Afrostream's backend API.
- Contributing to an enhanced user experience.
- Implemented OAuth2 with Facebook integration and used Firebase for analytics, crash reporting, and notifications, adding valuable social and analytical features to applications.
- Developed a secure local video download system with device ID protection and video expiration, focusing on content security and management.

PROFESSIONAL EXPERIENCE

LEAD FULLSTACK DEVELOPER

ALEDA Group (fusion with Infernix) | May 2016 - December 2016 | Paris

- Spearheaded the development of a QT C++ application facilitating communication between a J2EE web application and various hardware (Printers, Authentication devices, Webkit, WebChannel).
- Provided technical leadership and problem-solving support to the development team, enhancing team efficiency and project outcomes.
- Developed robust web applications on Java EE, employing frameworks and technologies such as Spring, Tomcat, Axis2, Hibernate, JDK 7 & 8.
- Created cross-platform mobile applications leveraging AngularJS, OnsenUI, and Cordova, showcasing versatility in mobile app development.
- Implemented OAuth2 security protocol in web services (Java EE Axis2) and WSSE authentication protocol, ensuring high standards of application security and data protection.
- Played a pivotal role in making key technological decisions, including architectural strategies, aligning technology choices with business objectives.
- Actively contributed to R&D projects.

FULLSTACK DEVELOPER

Infernix | June 2014 - May 2016 | Paris

- Connect over 20 African banks ,integrated multiple web services for money transfer using Java and SOAP, enhancing service efficiency and user experience.
- Crafted an Android application in Java for enrolling new wallet accounts, incorporating automatic document scanning and verification for KYC processes.
- Created several e-commerce sites leveraging Intershop and Magento.
- Implemented an Intershop payment cartridge integration using Java, enhancing payment processing capabilities.
- Engineered the Demat360 KYC System in Dotnet C# Winform for verifying official documents like passports and identity cards.
- Developed API integrations for Android Bluetooth printers and bank card readers using Java.
- Constructed a web service for mobile reload services and international top-ups using Java and Axis2.
- Integrated multiple payment gateways (Paybox, Payline, Paytoo) and SMS Gateways (Bulk SMS, sms.fr, OVH) using Java J2EE.
- Maintained and managed the Intershop platform, working with Tomcat, J2EE, and Oracle 11g, ensuring smooth and continuous operations.

OWNER AND PRINCIPAL DEVELOPER

Founder of two startups (BTechnology - Lifetech) | June 2008 - May 2014

- Founded and led the development of a comprehensive website for classified ads, leveraging PHP to create a dynamic and user-friendly platform.
- Developed Protracking, a GPS fleet management system, integrating technologies like CalAmp and INTELITRACK with Dotnet C# and Java J2EE, showcasing expertise in location-based services and enterprise solutions.
- Created Progestion, a stock and business management software, using Dotnet C#, delivering efficient organizational tools for business operations.
- Designed and deployed several websites using WordPress, highlighting skills in creating versatile and accessible web presences for various needs.
- Led a team of 6 developers, guiding project development and fostering a collaborative and productive work environment.
- Managed end-to-end development projects, demonstrating strong project management skills and the ability to deliver solutions from conception to deployment.
- Developed Prodent, a specialized Dental Management Software using Dotnet C#, catering to the unique operational needs of dental practices.
- Created Promed, a Medical office management software, and B-Lawyer, a Law Office Management Software, both using Dotnet C#, addressing niche market needs with tailored software solutions.
- Engineered a TCP network server with multithreading capabilities in Java.

PERSONAL PROJECTS

- AI and ML models integrations using : longchain, openllm, pytorch,huggingface, python.
- Work with streamlit for frontend python app.
- Develop and design a mobile app using Flutter 3 and Mangodb, nodeJS for a backend side.
- Deploy web app using docker container and K8s.