Jonathan Huot

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Experience

- **Refinitiv, a London Stock Exchange Group business** — Remote, France

  Engineering Manager — 2021 – Present

  - Hands-on Manager of 3 teams delivering critical platform services. Lead developers through the software lifecycle and assist architects to root designs into tangible deliverables.

  Software Architect — 2018 – Present

  - Lead Identity Session Management capability to support flagship product's functionalities and services across multiple devices types including Desktop, Browser, Mobile and Backend services.
  - Lead Projects integrations into the Authentication and Authorization platform. Drove engineering teams to comply with standards and security best-practices.

  Lead Software Engineer — 2012 – 2018

  - Lead OAuth2.0/OpenID Connect initiatives and design the Secure Token Service for the platform including latest security design like PKCE protocol.
  - Lead & design the edge HTTP Reverse Proxy solution handling all web traffic for the flagship product Eikon. Processing 150M requests daily worldwide for about 300 different financial services and APIs. Routing thousands of backend servers across remote datacenters.
  - Lead & design an internal RESTful API to orchestrate and configure routing, caching and failover capabilities of the whole platform.
  - Open-sourced dozens of projects in C and taken over Python communities on OAuth2.0 protocol.

- **Freelance** — Remote, France

  Software Engineer at Crédit Agricole CIB — 2010 – 2012

  - Designed and developed a publish-subscribe middleware for high-frequency trading application for the top-3 european financial broker.
  - Enhanced Desktop Application by adding revision history for routing rules of the FIX gateway receiving messages from financial stock exchanges.
  - Founded web agency and engineered several web applications for small companies.

- **Sopra Steria** — Paris/Vélizy, France

  Software Engineer at Bouygues Telecom and Adeo Services — 2007 – 2010

  - Audited codebase and wrote best-practices guide on 32 to 64 bits migration.
  - Improved and designed multiple projects for telecom company including pricing application for phone calls and routing application of ASN1 tickets used by 6 millions of customers in real-time.

Education

- **EPITECH** — Paris/Kremlin-Bicêtre, France

  College of Engineering, Expert in Information Technology — 2002 – 2007

  - Teacher's assistant in C++ language (Windows MFC).
  - Built dozens of projects including clones of Shell, HTTPd, Raytracer, Minesweeper, Go, Music sequencer...

Core Technical Skills

Languages: Python, C, C++, shell script, JavaScript...
Software: Docker, Varnish, Nginx, Redis, MongoDB, Jenkins, GitLab...
Infrastructure: AWS ELB, EC2, ECS, Route53, SNS, SQS, Lambda, On-Premises F5 BigIP...
Standards and Protocols: HTTP, OAuth2.0, OpenID Connect & rel, JWT, TCP, DNS...
Open Source Contributions: oauthlib, requests-oauthlib, bottle-oauthlib, varnish modules...
Languages: French (native), English.