

# Gilles DÉNERVAUD



☎ on demand

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in <https://www.linkedin.com/in/denernaud>

🐙 <https://github.com/gdenervaud>

📍 Geneva, Switzerland

**Nationality** Swiss

**Age** 50, living in partnership, 4 children

## Skills

User Experience / Interface  
Sketch/Balsamiq Mockups  
Accessibility / WCAG/S508  
Security / OWASP

HTML5 / CSS3 / Bootstrap  
Typescript / Javascript (ES12)  
React / Redux/RxJs/MobX  
Less / Sass  
JSON / JSON-LD / RESTfull  
Node.js / Webpack / Npm

Java/Spring Boot / C#/C++/C  
Python / FastAPI  
NoSQL/GraphQL/Elasticsearch  
OAuth 2.0 / OIDC / Keycloak

Git / GitHub / TFVC / SVN  
TDD / Jest / Puppeteer  
GitLab CI/CD / Docker  
ETL / Ansible / AWX

Agile/Scrum/Kanban/BDD  
DRY SOLID KISS / YAGNI  
Jira / TFS / Taiga / Slack

## Strengths

Curiosity / creativity  
Listening skills  
Autonomous / responsible  
Stress resistance

## Languages

French  
English  
German

## Hobbies

sailing, snowboarding, travel, history

# Full-Stack Software Engineer

with emphasis on **UX/UI** Web development - **FinTech**

“I have been developing web applications for 25 years, always adapting myself to new technologies, implementing back-end servers (in Java/Python/C/C++,...) and front-end user interfaces using Javascript frameworks. My experience covers the entire software development life cycle from research to design, with a natural sense of aesthetics, implementation, testing & DevOps. I gained a strong expertise in lightweight, rich & large scale web applications in the finance/insurance industry (Apsys, Market Map, Olympic & Reuters) and research (Knowledge Graph). I'm results oriented, enthusiastic, a good team player and like working in multicultural teams.”

## Experience (more details on <https://www.linkedin.com/in/denernaud>)

### Senior Software Engineer Full-Stack **Human Brain Project**

Development of web applications & RESTful APIs in a microservice architecture for the Knowledge Graph (KG) of the HBP Neuroinformatics platform.

Jun 2021 - Dec 2023

**EBRAINS**

Nov 2017 - Mai 2021

**EPFL**

- Frontend development and UI & UX design process of rich, highly interactive web applications (Typescript, React, Redux, CSS, Semantic web, JSON-LD, OIDC, Keycloak).
- Development of RESTful APIs (Java Spring Boot, Python/FastAPI, ArangoDB, Elasticsearch/Kibana).
- DevOps (Docker, Gitlab CI, SonarQube, Harbor, ETL, Ansible/AWX, Sentry, Prometheus, Grafana, Slack).
- Direct user support & interactions with scientific customers (Zammad, Slack).
- Coaching less experienced developers, establishing web development standards.

Feb 2016 - Oct 2017

Living in Cotonou, travelling across West Africa

### Jun 2010 - Jan 2016 Senior Software Engineer

**SunGard FIS**

- Implemented responsive rich client financial PWA apps, using various Javascript frameworks (AngularJS, Typescript, RiotJS, jQuery, Bootstrap, RequireJS, Polymer, Knockout, Backbone, Underscore, ExtJS, ASP.NetRazor, WebSocket).
- Developed (rapid prototyping) RESTful APIs (Node.js, MongoDB, PostgreSQL, MySQL).
- Designed (wireframes/sketches/mockups) & implemented (AngularJS, jQuery, Javascript, HTML5, CSS3, Canvas, SVG) web components and financial SPA web app for iPhone & iPad.
- Technical lead, consulting, coaching & code review of offshore teams in US, India & Philippines.
- Implemented back-end web services (Ruby on Rails) with connectors for Apsys & Market Map.
- Consulting in private banks, responsible of products configuration & deployments to production.
- Conducted user acceptance tests (UAT).

### Apr 2007 - Jul 2009 Software Engineer

**New Access FNZ**

- Implemented front-end (Javascript, HTML, CSS, Telerik) of CRM web applications.
- Consulting in private banks providing customization & support, carried out technical & functional validation and non-regression tests, and deployments to production.
- Remote coaching & code review (ASP.Net, C#, Javascript) of an offshore team based in Singapore.
- In charge of level 3 support, ensuring SLA compliance.

### Oct 1999 - Feb 2007 Software Engineer

**Thomson Reuters**

- Designed & implemented (ASP.Net, C#, Javascript, HTML, CSS) front-end financial calculators.
- Wrote core C++ servers (SOAP, WSDL, Oracle) handling ~300'000 financial instruments in near real-time.
- Coached 6 developers of an offshore team from Thailand and proving technical documentation.
- Wrote packaging & deployment scripts (batch & shell).
- Implemented (Javascript, XML, XPath, Java) rich client web app, streaming real-time market data.
- Maintenance & evolution of web services managing quotelists, written in C (~100 millions req/month).

### Nov 1998 - Sep 1999 Software Engineer Consultant

**NetPower**

Implemented (Javascript, HTML, CSS, Python, PHP, Java) web portals for various clients, as consultant.

## Education

1997 Computer Sciences 4 semesters **EPFL**

1995 Microengineering Sciences 2 semesters **EPFL**

1993 Scientific Swiss Maturity **Collège St-Michel**

## Certifications

2010 Sun Certified Java Programmer

2010 MCPD & MCTS Microsoft Certified Professional Developer