

Benoit Vallée

Senior Software Engineer

Nantes, France or Remote

Summary

I am a passionate senior software engineer, lately focused on TypeScript (5 years exp.), Node.js (9 years exp.) & SQL, and with a strong experience in C, C++, system administration, CI, machine learning and security practices.

Experience

Jul. 2019 – present [TheFork \(Tripadvisor\)](#) Nantes, France
– **Senior Software Engineer**

Working on both the B2C booking website and on the B2B restaurant management software provided by TheFork (restaurant capacity, pacing, table management, real-time availabilities, etc).

Stack: TypeScript, Node.js, PostgreSQL, GraphQL, json-rpc, RabbitMQ, Docker, CI, Jenkins, Kibana, NewRelic, npm packages (distribution), micro-services, Jira

Oct. 2018 – March 2019 [OmicX](#) Nantes, France
– **Software Engineer** (Remote)

Worked on a data visualization and pipeline building web application for biological workflows.

Stack: TypeScript, React, MobX, Go.JS, GitLab CI, Python, puppeteer, Jira

Oct. 2013 – Nov. 2014 [Amazon](#) (AWS) Vancouver, Canada
– **Software Engineer**

Worked as part of a distributed team building Amazon's web browser for mobile devices (Silk).

Stack: Android, Java, CI/CD, AWS, Jira

March 2013 – July 2013 [TheBroth](#) Perth, Australia
– **Software Engineer**

Built a scalable Node.js backend for real-time gaming (200,000+ daily users).

Stack: Node.js, Redis, Backend, Puppet, Memcache

March 2011 – June 2012

[Keyyo](#)
– **Software Engineer**

Paris, France

Built a cross-platform Skype-like software to answer and redirect SIP calls throughout a company (with LDAP contact integration).

Stack: C++, Qt, SIP, UI, Wireshark, RFCs, Cisco protocols

Dec. 2009 – July 2010

[Eureka Technology](#)
– **Software Engineer**

Paris, France

Worked on a C# .NET delivery software industry as part of a small team. Built a SQL Server database & stored procedures to track geo-located deliveries in real-time (& trigger notification actions to the customers).

Stack: C# .NET, MSSQL

Sept. 2008 – Sept. 2012

[Epitech](#)
– **Teacher Assistant**

Paris, France

- 2008-2011 – C/Unix Teacher Assistant for 1st and 2nd year students.
- 2008-2009 – C/C++ Teacher Assistant for Nintendo DS game development (to 2nd year students).
- 2009-2012 – C++/Object-Oriented Programming Teacher Assistant for 2nd and 3rd year students.

Stack: C, C++, Unix, Embedded development, Game development (Nintendo DS)

May 2009 – Oct. 2009

[int13](#)
– **Software Developer Intern**

Paris, France

Built a C++ hardware abstraction library for Symbian OS devices, for porting an augmented reality library and games targeting mobile platforms (iPhone, Android, Symbian, Bada, WP8 and Nintendo 3DS).

Stack: C, C++, Embedded development, Augmented reality

July 2007 – Dec. 2007

[Violet \(Nabaztag\)](#)
– **Software Developer Intern**

Paris, France

Built a back-office website to manage thousands of smart objects ([Nabaztag](#) – ancestor of Alexa). Reworked and modernized an e-commerce website to sell the startup products. Improved performance, wrote migration, and fixed data consistency issues in core MySQL databases. Setup self-hosted demonstration server for live TV demonstrations (for features preview).

Stack: PHP, MySQL, CSS, JavaScript, jQuery, Java, RFID, tts, ejabberd

1998 – present

Technology Hobbyist

France

Coding & building projects since 1998.

Education

Deep Learning *by fast.ai*

September 2017 - May 2018

[fast.ai](#)

– [Part I](#) and [Part II](#) (International Fellowship)

Machine Learning *by Stanford University on Coursera*

July 2017 - August 2017

[Coursera](#)

– [Certified in August 2017](#)

MicroMasters in Data, Economics, and Development Policy *by MITx*

February 2017 - May 2017

[MITx](#)

– [Certified in October 2017](#)

- 14.100x: Microeconomics – [Certified in October 2017](#)
- 14.310: Data Analysis for Social Scientists – [Certified in October 2017](#)
- 14.73x: The Challenges of Global Poverty – [Certified in October 2017](#)
- 14.740x: Foundations of Development Policy: Advanced Development Economics – [Certified in October 2017](#)
- JPAL102x: Designing and Running Randomized Evaluations – [Certified in October 2017](#)

Master of Information Technology in Software Engineering

September 2009 – September 2011

[Epitech](#)

Paris, France

– Graduated in October 2011

Bachelor of Computer Science

September 2006 – September 2009

[Epitech](#)

Paris, France

– Graduated in October 2009