

## Philippe Fouque

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## Full Stack Typescript Engineer

Network Engineer & Architect - AIX System Engineer

After a long experience of more than 20 years as a network engineer, AIX Systems engineer then network and Data Center architect within IBM, I made the bold choice in 2019 to return to my first technological loves, namely software development, and to invest myself completely in it. My choice fell more specifically on Typescript and Fullstack NodeJs, Angular & Ionic technologies for Web and PWA applications.

A more detailed version of my CV, in English, can be found here: [www.pfouque.fr](http://www.pfouque.fr)

### SKILLS

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#### Development

**O.O :** TypeScript, Java 8, C++,  
**Back :** Node.js : Koa, Typedi, TypeOrm, mySQL, postgresSQL, Firebase, Google Cloud Platform  
J2EE, Springboot, JPA, Hibernate, Lombok, Maven, Spring Security & JWT, Mockito,  
**Front :** Angular, Ionic, RxJS, Material, Bootstrap, JS & JQuery, HTML5 & CSS  
**Mobile :** PWA, Ionic, Android Java Apps  
**Other:** ksh, bash, Python, Ruby, Docker  
**Tools :** Git, VS Code, IntelliJ IDEA, Eclipse, UML, Agile, Trello,  
**Trainings :** POEC Intensive Java Fullstack (2020), Formation Java J2EE (2010)

#### Soft Skills

Teamwork, sharing of experience and technical lead  
Understanding and definition of functional and operational needs in complex environments:  
multi-technology, multi-cultural, planning constraints  
Ethics and professional rigor, seeks to achieve the best possible technological expertise  
**Certifications:** Architectural thinking, PM orientation, ITIL Foundation

#### Miscellaneous

##### Networking

Switching, Routing, Security

**Hardware :** Cisco, Juniper, Checkpoint, Fortinet, VMWare NSX

**Trainings :** VMWare NSX, Cisco DESGN, Complete Juniper & Nortel Networks cursus

**Certifications :** Cisco CCNP BCMSN CCNA, Checkpoint CCSA, Nortel Alteon ACA

##### System & Virtualisation

Ubuntu, Redhat, Suse, AIX, VMWare, Docker

**Hardware :** IBM Power Series, P-Series, X-Series, BladeCenters, VMware

**Tools :** Shell scripting (ksh, bash) : outil d'inventaire, d'administration et d'automatisation

**Trainings :** Complete AIX Systems Cursus, Suse CLA & CLP Linux Academy

##### SAN & Storage

Zoning, Array, LUN, Mapping, IBM SVC

**Hardware :** IBM SAN Fabrics, DS Series, V7000, SVC (San Volume Controller)

2020      **Rebalance Engineering** – Sophia Antipolis, 06

**Fullstack Developer** : Permanent contract

- ✓ Angular, PWA/Ionic, Node.js, Typescript, RxJS, PostgreSQL, Firebase, GitHub, Agile, Planner
- ✓ Development of a complete set of Fullstack PWA, web and backend applications on Angular / Ionic / nodejs / Typescript to control and operate stress reduction medical equipment worldwide

2020      **Softeam Institute & UCA Université Nice Côte d'Azur** – Sophia Antipolis, 06

**Java Fullstack Developer** : 8 weeks Bootcamp and 1 month internship

- ✓ «Skillfull Network» v1 & V2: Application WEB de réseau social
- ✓ Java 8, Hibernate, Springboot, Angular, Material, MySQL , GitHub, Agile, Trello
- ✓ Development of a social network WEB application linking candidates, recruiters, trainers and institutions such as employment center
- ✓ Agile Method : 1 week Sprint, daily
- ✓ V2 – internship - Professional situation :
  - x 1 experimented mentor from UCA, 5 FullStack developers fullstack from POEC Java Fullstack training / Softeam Institute 2020
- ✓ V1 – BootCamp - Professional immersion :
  - x Collaborative work as well as peer programming under the aegis of 3 experienced mentors
  - x 26 students from POEC Java Fullstack training / Softeam Institute 2020

2002 - 2019    **IBM** – Alpes-Maritimes, 06

**Network Engineer - LAN Specialist & Junior Network Architect**

**2016 - 2019**

- ✓ Hardware: Cisco Catalyst/IOS, ACI nexus9k, APIC, ACE
- ✓ SME - LAN Expertise on Major DataCenter based on Cisco Hardware: technical consulting and adviser, change validation, documentation update such as design, layout, port inventory, IOS version and Harrdware EoS, Migration
- ✓ Troubleshooting and failure analysis within a shared network support team
- ✓ Since 07/2017 - Junior Network Architect – Migration design and target plans for DataCenter relocation project in a team of expert & Architects
- ✓ Dedicated to customer account: Michelin

**IT Architecte Infrastructure**

**2015 - 2016**

- ✓ Manage and improve an internal Lab Architecture to provide virtualized OS platforms based in a simplified, reliable and quick way on following IT components :
  - x Network, Storage, SAN, SVC
  - x AIX , virtualization and System P Series, X Series and VMWare cluster
- ✓ Technical lead of a support team
- ✓ Provide daily support on above components : lpar/VM build, Storage & SAN (zoning, array/lun, mapping), incidents, OS and HW firmware updates, yearly electical cut, architect project implementation

**AIX System Engineer**

**2009 - 2015**

- ✓ Engineering, Building, Provisioning, Test, Delivering and Migration of AIX Systems and virtualization projects, based on several AIX technologies (HMC, VIO, SEA, VSCSI, SSP, VML, NPIV, LPM, LVM, LPAR, NIM).
- ✓ Scripting (ksh, bash): development of Automation, Administration and Inventory tools
- ✓ Author of Working Instructions for virtualized AIX Building, Delivering and Migration (nimadm, alternate disk)
- ✓ Troubleshooting and failure analysis for Customer AIX Systems within a shared Unix support team
- ✓ Main Customer accounts: Galerie Lafayette, Michelin, ACNielsen, Danone, L'Oreal.

## **Network Architecte Réseau – LAN, WAN & Security Spécialist**

**2002 - 2009**

- ✓ Hardware: Cisco, Nortel Networks, Checkpoint
- ✓ Network Architecture Design, Engineering, Provisioning, Test, and Delivering of network projects, based on several multi-platform technologies (Cisco Systems, Checkpoint).
- ✓ Troubleshooting and failure analysis for Customer IP networks within a shared network support team
- ✓ Main Customer accounts: Valeo, Darty, Fnac, TMM, Monte Paschi Bank, and Saint Gobain

1997 - 2002 **Nortel Networks** (ex Bay Networks) – Sophia Antipolis, 06

### **IP Carrier Product Specialist**

- ✓ Hardware: PP8600, Alteon, Juniper M-Series, Versalar, BayRS, BPS
- ✓ Consulting, trials and staging for Carriers and ISPs such as:
- ✓ Carrier One, Orange, Ufors, Telefonica, BTSpain
- ✓ Design, provisioning, troubleshooting, test activities of Core networks
- ✓ In-depth protocol and product analysis, liaising with sustaining team
- ✓ Elaboration of a tutorial on MPLS and L2/L3 VPNs with Juniper routers

1996 - 1997 **IBM** - La Gaude, 06

### **Software Engineer: C++, X, Lex & Yacc, OS2 and AIX**

- ✓ Coding of a GUI for IBM 3746 IP/APPN router configuration and management
- ✓ Coding of a CLI for Frame Relay, PPP and X25 configuration on IBM 3746 router

## **EDUCATIONAL BACKGROUND & INTERNSHIPS**

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2019 - 2020 **POEC Java Backend : Intensive fullstack training** (3 months)

### **Softeam Institute** - Sophia Antipolis, 06

- ✓ Specialized training for Backend development with Java & Spring and UML modeling. In short, all the technologies necessary for the implementation of robust and efficient APIs
- ✓ An overview of technologies like Angular & TypeScript & Material provides everything you need to build fast and elegant web applications
- ✓ This sustained 3-month training is supplemented by a 6-week bootcamp to put students in a professional situation on a project to develop a WEB application for UCA, the University of Nice Côte d'Azur, including the goal is to implement a LinkedIn-type social network, called “
- ✓ Stacks:
  - x Java 8, Swing, JEE, JPA, Hibernate, Lombok, Junit, Mockito
  - x Maven, Spring & Springboot, Spring Security & JWT
  - x Angular, TypeScript, JavaScript, JQuery, HTML5 & CSS

1990 - 1993 **Engineering Diploma - Electrical & Computing**

### **IRESTE**, Ecole Polytechnique, Université de Nantes

1993 Internship (7 months) : **Software Engineer - C++, X, Unix**

### **Texas Christian University** - Fort-Worth, USA

- ✓ Implementation of a simulator for task allocations in processors grid
- ✓ Publication of a paper for the HICSS (2) 1994 on “Efficient Submesh Allocation Using Interval Set” (Maui, Hawaii, USA - Volume 2 - Sets 493-501)

1991 Internship (2 months) : **Electrical and Computing Technician**

### **Télé mécanique** – Sophia Antipolis, 06

1988 - 1990 **Classes Préparatoires Technologiques**, Nice, France: Mathematics, Physics, Mechanics

## PROJECTS

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### Professional

- 2020 **Fullstack PWA, Web et backend applications**  
✓ Angular, Ionic, NodeJS, Typescript, postgresSQL, Firebase, Agile, Planner
- 2020 **«Skillfull Network» V1 & V2 : Social network WEB application**  
✓ Java 8, Hibernate, Springboot, Angular, Material, mySQL, GitHub, Agile, Trello
- 1996 - 1997 **GUI & CLI for IBM 3746 IP/APPN Router**  
✓ C++, X, Lex & Yacc, OS2 and AIX
- 1993 **Task allocations simulation in processors grid**  
✓ C++, X, Unix

### Academic

- 2019-2020 **Fullstack Angular/Java: Softeam Institute**, Nantes, France  
✓ Java 8, Swing, J2EE, Maven, Spring & Spring Boot, JPA, Hibernate, Lombok, Thymeleaf  
✓ Junit, Mockito  
✓ Angular, Ionic, TypeScript, Material, Bootstrap, JS & JQuery, HTML5 & CSS  
✓ Git, UML, Agile, Trello
- 1990-1993 **Structural & Object Oriented Programming: IRESTE**, Ecole Polytechnique, Nantes, France  
✓ C++, VHDL, Pascal, ADA

### Personal

- 2020 **Mobile Application** (Ionic, J2EE) Personal recycling management, project in progress, mentored by a POEC training teacher  
**Technical online demo** (Angular, Ionic, Bootstrap, Material, Fontawesome, ng-animate)  
**Online CV** (Bootstrap) [www.pfouque.fr](http://www.pfouque.fr)  
**Java Tooling Package** (Java), **Roulette simulator** (Java, Swing, Java tooling)  
**Mini Calculator** (Java, Swing, Java tooling)
- 1990's **Participation in one of the first online MMORPGs** (dedicated OOL)  
**Simulation & rôle play assistant** (BASIC, RPL/HP)
- 1980's **Text and graphics adventure games** (BASIC)  
**Financial management assistant** (BASIC)

## MISCELLANEOUS

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- Langues      Anglais:      courant  
                 Français:      langue natale
- Hobbies      Computers, photography, bikes  
Sports      Roller hockey (as player & coach of senior team), skiing, mountain bike
- Military      1994-1995 : Coopération  
                 **Cultural Representative** - French Embassy, Riyad, Saudi Arabia  
                 ✓ Management of weekly cultural activities such as exhibitions & information center