Maxence Dalmais

Research network engineer

Contact

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Summary

I'm currently working as a Research and Development software engineer at Worldline. Our team main goal is to support the development of new businesses though new technologies.

Full stack developer, I am a polyglote developer, particularly enthusiastic toward network oriented developments.

Linux and OpenSource softwares integration and development are my daily job.

EXPERIENCE

Research and Development Engineer

Worldline, Lyon, France - Since July 2013

- Lead robotics and connected objects tracks : ROS, OpenCV, hosted services
- Managed and organized Worldline presence at Innorobo 2014 summit
- Participate in development of new hosting solutions and offers

Development and Innovation Engineer

Atos Worldline, Lyon, France - 3 years - From 2010 to 2013

- Full stack JavaScript developer : smartdata.io and beekeper
- iOS and Android project leader and developer : worldline-statistics
- Responsive Web and NoSQL experiences

Network research trainee

Commissariat à l'énergie atomique (French National Research Center) - Paris, France - 5 Months - 2009

Authentication for Mobile IP Network
- Design and Implementation of a global authentication solution for Mobile IP network
- Applicative layer access control solution for ad-hoc L2 secured network
- Implementation of an IPv6 mobile route advertisement protocol

Research network trainee

DGA (French Government Defense agency), Rennes, France - 3 Months - 2007

Establishment and Experimentation on a Mobile ad-hoc Network
- Establishment and Experimentation on a Mobile ad-hoc Network composed of mobiles sensors : IP Mobility, GPS, Video Streaming
- Performance review of routing protocole OLSR
- State of the art of networked robotics

PERSONAL PROJECTS

From my study to now, I worked on lots of network oriented personnal projects. Here are some of them.

DHCP JS

DHCP JS is a partial implementation of a DHCP server in JavaScript. While working on bare metal provisionning, I needed an extensible DHCP server. As I couldn't find one, I forked one and redesigned it to fit my needs.

SNR6

SNR6 is Stateless Naming Resolution protocol over IPv6 designed and Implemented during Network Architecture (CS540) lecture at KAIST. The goal was to build a zeroconf naming protocol for LAN, in order to increase usages off IPv6 in local network and to reduce number of packets.

JPForge - Java Packet Forge

JPForge was a Graphical software allowing to forge network packets before sending them on the network. It can be considered as a reversed wireshark, and was usefull for education and testing purpose.

EDUCATION

Telecommunication Engineer at INSA

National Institute of Applied Sciences - Grandes écoles - Lyon, France - 3 years - from 2007 to 2010

Telecommunication, Network and Software development.

Master Degree student at KAIST

Exchange semester at Korean Advanced Institut of Science and Technology, Daejon, South Korea - Spring 2010

Advanced network, Distributed System, Game theory , Management for Innovation

Telecommunication and Network Technician

2 years technical degree (IUT) in University Joseph Fourrier, Grenoble, France

Software development, network analysis and configuration

LANGUAGES

- French : Native Language
- English : Professional working proficiency
- German : Limited working proficiency

EXPERIENCE OUTSIDE FRANCE

- Exchange Semester in South Korea
- Summer Internship in Karlshurhe, Germany
- Personals travels in USA, India, Australia and across Europa