

AURÉLIEN CHABOT

Senior Software Engineer

SUMMARY

Experienced Software Engineer with **over 10 years of experience** in software development and a record of successful contributions to global companies. Skilled in **C++, Java, and Python** with expertise in Cloud Technologies, Containers, and Virtualization. Proficient in designing, developing, and operating high-performance, scalable, and reliable systems. Proven ability to deliver complex projects on time and within budget, with a focus on optimizing costs and improving efficiency.

EXPERIENCE

Senior Software Engineer

Mar 2020 - Present . 4 yrs

Amazon, Vancouver/Montréal, Canada

Core site-wide functionalities for the Amazon.com website.

- Core backend site-wide functionalities for the Amazon.com website.
- Development and operation of a high availability tier-one web service.
- Application running in AWS.
- Performance tuning of the application to improve cost per request.

Java Python AWS Junit/Mockito

Software Engineer, Critical and Medical software

Nov 2017 - Jan 2020 . 2 yrs

Hydrix, Melbourne, Australia

Design and development of customer projects.

- C++ development on Linux and Bare-metal embedded systems.
- Python development of user interfaces.
- Design and estimation of software work for customer products.
- CI build, test and deployment with Docker and Jenkins technologies.

C++ Python Java Gradle Docker Protobuf Google Test Jenkins CI

Software Engineer, Network protocols analysis

Sept 2016 - Sept 2017 . 1 yr

Corvil, Dublin, Ireland

Development of analytics plugins for all major worldwide financial and enterprise data protocols.

- Development of new analytics plugins and updates of existing ones.
- Work on latency tracking and order tracking for financial protocol analytics plugins.
- Work on malware and threat detection for enterprise protocol analytics plugins.
- Work on a connector to export analytics data to Kafka.

C++ Boost Java Kafka Linux CD CI Scrum Agile Jira

Software Engineer, Infotainment system for cars

Dec 2014 - Sept 2016 . 2 yrs

Parrot Automotive, Paris, France

Development of Android-based infotainment system for cars.

- Middleware interfaces development for components such as radio and Bluetooth.
- Android development for media, telephony and system applications.
- Prototyping of Android and Linux based systems in the business development team.
- Participating in B2B show with the business development team.

Android Java C++ Android Studio Git Linux Scrum Agile

INFORMATION

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SKILLS

C++
Java
Python
Git
Docker
Go

Rust Android QT
JavaScript Bash
GoogleTest Boost AWS
Kafka Junit/Mockito

STUDIES

Master of Engineering in Computer Science and Applied Mathematics

INP ENSEEIHT, Toulouse, France
2008 - 2011

Exchange student on Master of Engineering in Computer Science

Hong Kong University, Hong Kong
Sept - Dec 2010

BSc Maths and Physics

Lycée Faidherbe, Lille, France
2005 - 2008

LANGUAGES

French Native speaker

English Full professional proficiency

Software Engineer, Linux system and Image processing

Sept 2011 - Nov 2014 . 3 yrs

OpenWide, Paris, France

Design and development of customer projects.

- C++ development on Linux embedded systems.
- Development of graphical component using QT.
- Development of multimedia/image processing projects with GStreamer and OpenCV.
- Linux system generation and configuration using Buildroot and Yocto.

C++ QT Python Thrift Boost Git Linux Buildroot Yocto OpenCV GStreamer

INTERSHIPS

Internship in image processing development

Mar - Aug 2011

OpenWide, Paris, France

C++ development for CCTV image processing. Development with QT and OpenCV.

Internship in an image processing laboratory

Summer 2010

South Dakota State University, Brookings, USA

Development of a tool to apply an interpolation algorithm on a satellite image database with MATLAB.

OPEN SOURCE PROJECTS

Transmission-RSS

RSS tracker wrote in Go. Track RSS feeds of torrent and add them to transmission for downloads.

DroidUPnP

Android application to control UPnP device and share local multimedia content.

Home-Pi

A Home domotic service on top of a raspberrypi. Using temperature sensors (DHT11 + ESP8266) and a radio emitter to control plug, home heaters and lights are controlled and monitored, controlled