

# 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

## INTERNSHIPS

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### 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

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### 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