Coordonnées

+33676798872 (Home)
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(LinkedIn)

Principales compétences

C
Embedded C
Embedded Linux

Languages

Anglais (Full Professional)
Français (Native or Bilingual)

Bruno Lainé
System engineer
Colombes

Résumé

Freelance backed developer looking for a mission in backend development. I mostly worked with embedded systems using C, C++ and python and back-end development using nodejs and java. I have a lot of experience on linux and UNIX based systems and interfacing heterogeneous components, development in several languages, CI integrations with Jenkins and gitlab-ci, deployment with ansible, docker, terraform and kubernetes.

Expérience

SoftAtHome
3 ans 2 mois

Back End Developer for IOT solutions
novembre 2020 - Present (1 an 5 mois)
Colombes, Île-de-France, France

Development of back-end features in nodejs for embedded and IOT applications: integration of Alexa skills and google actions. Definition of the interface with embedded components through MQTT and definition of APIs for server to server communication. Interface between the project and deployment teams and Amazon representatives for project specific challenges and certification.

Embedded Software Engineer
février 2019 - février 2021 (2 ans 1 mois)
Paris Area, France

C++ and python development for a smart speaker on yocto based embedded system for 2 major European telecom companies. Integration of Spotify and Alexa embedded SDKs and Alexa multi-room extension, animation of a scrum team and interface with our client's agile processes. Follow up of Spotify and Alexa certifications of the product.

SWIFT
Software Engineer
mars 2017 - octobre 2018 (1 an 8 mois)

Performance/regression/integration test of messaging infrastructure components:

- Needs refinement and test model definition
- Setup of the test environment using different OS (RHEL, AIX, HP-UX) and applications (Oracle DB, IBM MQ, etc.)
- Driver development in C++/Java/Jython
- Log collection and analysis
- Troubleshooting, bottleneck identification and root cause analysis
- Test automation with Jenkins and Splunk
- Part of a scrum team
- Frequent collaboration with overseas locations

CEA - Commissariat à l'énergie atomique et aux énergies alternatives
Embedded software engineer apprentice
septembre 2013 - octobre 2016 (3 ans 2 mois)
Saclay

Data fusion application for superconductive magnets supervision:

- Hardware and software architecture design (FPGA based custom board with 2 softcores)
- Hardware test and validation
- Development of the dual-core real-time application in C using bare-metal and Xilinx real-time operating system (Xilkernel)
- Compilation of an embedded Linux with Buildroot for our custom hardware architecture
- Port of the application over embedded Linux
- Development, test and integration of C drivers for a micro-SD card reader and an ADC (Analog-Digital Converter)
- Test, integration and customisation of C TCP servers (Modbus TCP, TFTP, Telnet and HTTP)
- Integration of the in-house java based supervision software
- Colaboration with different teams (Electronics, Computer science, Automation, Cryogenics)
- Deployment and Validation of the final product on site

CEA - Commissariat à l'énergie atomique et aux énergies alternatives
Embedded Software Developer Internship
avril 2013 - juin 2013 (3 mois)

Saclay

SD card driver development and testing in C on microcontroler and porting on FPGA with softcore for hardware validation.

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Formation

EFREI - Ecole Française d'Electronique et d'Informatique
Software Engineering, Computer Software Engineering · (2013 - 2016)

Asia Pacific University of Technology and Innovation (APU / APIIT)
Operating System, Networking, Java advanced, Entrepreneurship · (2013 - 2013)

IUT de Ville D'Avray
Universitary Diploma of Technology, Electrical and Computer Engineering · (2011 - 2013)

Glyndŵr University
Summer Class (1 month), Computer Game Development · (2012 - 2012)