Job Posting:169851 - Position: F25 Software Baseband Developer Co-op 169851

Co-op Work Term Posted: 2025 - Fall
App Deadline 06/04/2025 09:00 AM
Application Method: Through Employer Website
Posting Goes Live: 05/21/2025 09:35 AM
Job Posting Status: Approved

ORGANIZATION INFORMATION

Organization Ericsson
Address Line 1 4333 Still Creek Drive
City Burnaby
Postal Code / Zip Code V5C 6S6
Province / State BC
Country Canada

JOB POSTING INFORMATION

Placement Term 2025 - Fall
<b> Job Title <b> F25 Software Baseband Developer Co-op 169851
Position Type Co-op Position
Job Location Ottawa, ON
Country Canada
Duration 8 or 12 months
Work Mode Hybrid
Salary Currency CAD
Salary Salary Not Available, 0 Major List
Job Description

Software Baseband Developer Coop Fall 2025
766995
At this time, Ericsson Canada Inc. does not provide immigration assistance/sponsorship now or in the future for this position.
Start date: September 2nd, 2025
Location: Ottawa, ON. Hybrid, 60% in office min, as per requested by the team.
Duration: 8, 12 or 16 are possible
Please upload your transcript when applying. (Use the "Cover letter" uploading tab)

About this opportunity
The RAN Performance software development team has multiple positions to fill.

5G software developer
· This position involves developing, debugging and testing 5G features. The development is focused on baseband Layer 2 software and baseband Layer1 software.
· You will be working with a software development team in Ericsson, getting full experience of cutting edge technology and sharpening your programming skills.
Software Infrastructure Developer

· This position involves developing software at the operating system level for the hardware that runs all the baseband applications (5G, LTE, WCDMA, GSM). This specific team works with the communications area of the platform.

· Working in an Agile Scrum team working on the complete life cycle of the software (prototyping, developing, test, deployment)

Tools developer

· This position involves developing/debugging software tools which support developer's needs, such as command-line and web-based tools, 5G log analysis tools, trouble reporting tools, debug tools, software management tools, etc.

· To give our interns a well-rounded Ericsson experience, a portion of your work term will involve working with a software development team on 5G related production and test software

Automated test developer

· This position involves developing the infrastructure to support 5G automated testing and developing automated test cases to test new 5G software features. Areas where test development is focused include Layer 1, test framework and 5G features

· This area offers interesting coding opportunities in the testing realm

AI Developer Experience

· This position involves improving the test development experience by leveraging AI which involves Gen AI powered tool functionality testing. This includes, but is not limited to, generating boilerplate code templates to streamline test creation, identifying inefficiencies in current processes, documenting/presenting findings and improving test automation workflows, exploring use cases for test development, and collaborating with the AI tools team to develop and test new functionalities.

· Furthermore, you will be experimenting with prompt engineering and fine-tuning AI models to optimize their application in test case generation

· It is beneficial to be familiar with AI tools and frameworks such as OpenAI, and Codeium TensorFlow, as well as having knowledge of prompt engineering techniques to tailor AI models for test generation and debugging workflows

· This is an excellent opportunity for students passionate about AI, software development, and improving developer workflows

What you will do

· Collaborate with colleagues
· Use Agile ways of working
· Work with a team, and independently
· Develop real time 5G base station software
· Applying AI/ML skills to development work
· Assist in the investigation of issues uncovered during testing
· Develop/code automated 5G test cases
· Develop/code automated test tools capabilities
· Perform software feature and/or integration testing in the lab on 5G lab equipment
· Work in 5G simulations testing signal processing, including in AI/ML
· Develop command-line and web-based tools, to support software development
· Generate test data for design validation
· Develop test tools and/or test scripts
· Trouble shoot and help to resolve issues with the test environment

Job Requirements

You will bring

· Software development and debugging skills with an academic background in Computer Science, Software Engineering, Communications Engineering, Electrical Engineering or equivalent.
· Working towards completion of a bachelors, masters, or doctoral degree.
· Entering any coop term (1st, 2nd, …).
· Interpersonal skills: Team player, independent, self-starter, organization skills, detail oriented and able to work in a dynamic environment.
· Effective English oral and written communications skills.
· General knowledge of LTE and/or 5G wireless protocols are helpful.
· Concurrent programming languages, Perl, Python, Java, JavaScript, Typescript, Java SpringBoot framework, HTML/CS, C/C++.
· Experience with Linux, Gerrit, Github, Jenkins, Django, and Angular are all assets.
· HTTP & RESTful framework, Database Fundamentals (Hibernate & JPA in our implementation), Kubernetes & Docker.

Citizenship Requirement   N/A

APPLICATION INFORMATION

Application Procedure   Through Employer Website

Cover Letter Required?   Optional

Special Application Instructions

Application Link:

https://jobs.ericsson.com/careers?page=1&jobPipeline=careersite&query=co-

op&start=0&pid=563121765131213&sort_by=solr

• Please upload your transcript when applying. (Use the "Cover letter" uploading tab)

Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.

Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received.

Students should submit their applications as soon as they are ready.