



Name: Chaoyang Zhu

School: Texas A&M University

Major: Computer Engineering

Degree: Master of Science

# Abstract

## ➤ Professional Experience:

1. Software Development Internship at Ericsson
2. Software Development Apprentice at Tarena

## ➤ Individual Projects:

1. To-Do List Application
2. A Startup Website



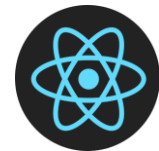
# 1. Cloud Studio IDE development

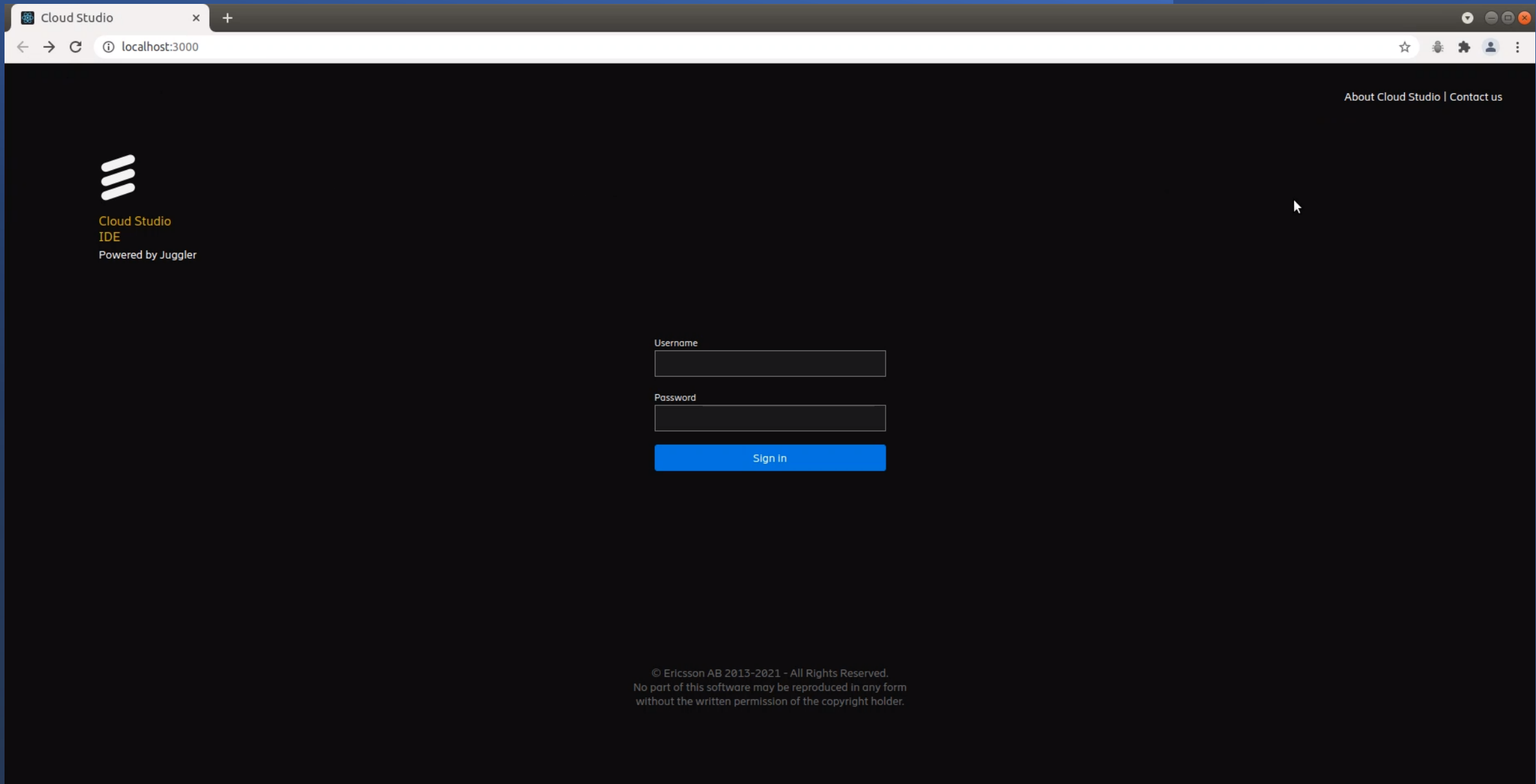
Company: Ericsson   Position: Developer Intern   Location: Austin, Texas   Date: June 2021 – Dec 2021

Cloud Studio aims to provide one-click access to development environments via a Web browser.

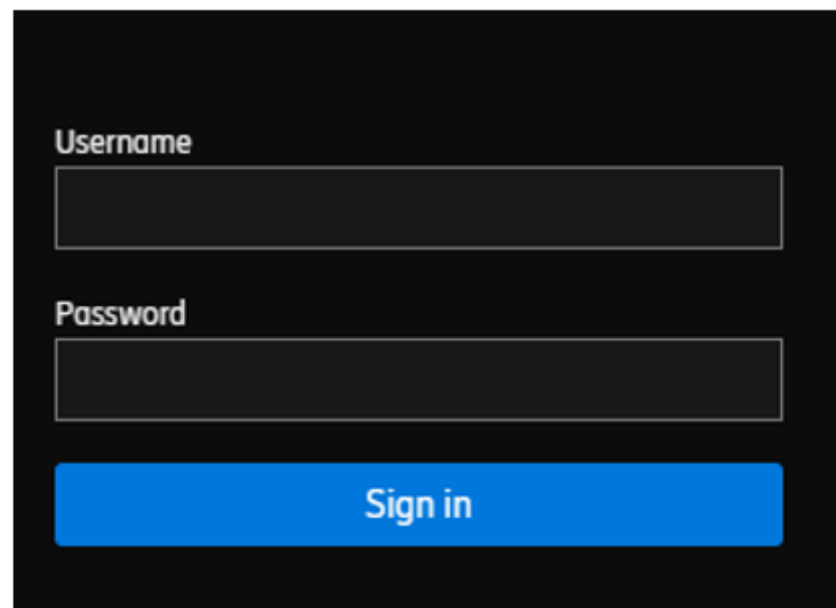
Technologies: React, TypeScript, Git, Gerrit, GitLab, Jira, Ubuntu 18.04

Effects: This IDE has been used by hundreds of baseband developers at Ericsson.



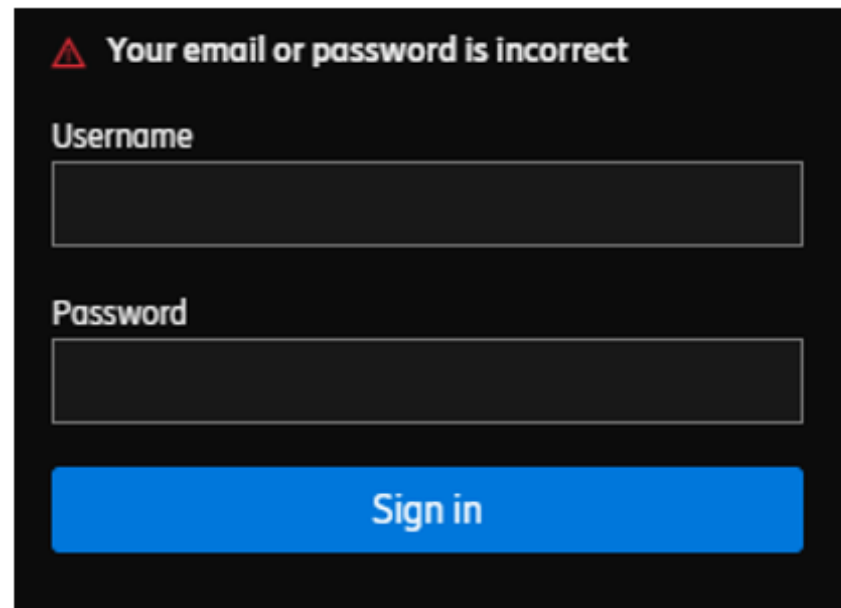


Default:



A login form with a black background. It features two text input fields: the top one is labeled "Username" and the bottom one is labeled "Password". Below the fields is a blue button with the text "Sign in".


Invalid credentials:



A login form with a black background, identical to the default one but with an error message at the top: a red triangle icon followed by the text "Your email or password is incorrect". Below the error message are the "Username" and "Password" input fields, and the "Sign in" button.

ehazcuh

Welcome, ehazcuh

 Cloud Studio

+New Cloud Workspace

Write code using the latest Baseband Workspace

deepBrilliantMeerkat	Created: 2021-10-13 21:59:39
<div>StopOpenDelete</div>	
inbornTintedGnat	Created: 2021-10-13 21:45:42
<div>OpenDelete</div>	
decimalCarefulOyster	Created: 2021-10-13 21:10:03
<div>OpenDelete</div>	
uniformFirsthandPony	Created: 2021-10-11 20:37:32
<div>StopOpenDelete</div>	
miserlyUntrueMule	Created: 2021-10-11 16:41:43
<div>StopOpenDelete</div>	
accuratePlainRaven	Created: 2021-10-05 21:24:22

Cloud Studio

ehazcu — EMCA Studio

← → ↻ 🔒 juggler.huber002.rnd.gic.ericsson.se/ehazcu/accuratePlainRaven/oexjgn/theia/#/repo/ehazcu

☆ ⚙️ 👤 Update

File Edit Selection View Go Debug Terminal Help

EXPLORER: EHAZCUH

🔄 📄 ⋮ 📄 Release Notes

📁 .ssh

📁 startup

📄 .bashrc

📄 egws-root.json

📄 egws.json

📄 logfile

📄 welcome.md

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Release Notes 📄

Welcome to the latest release of EMCA Studio! Read more to see what has been updated.

EMCA Studio v0.6.0

Released 2020-07-24.

Highlights of this release include:

- [Debug Bait Tests](#): Set breakpoints, run Bait tests, and debug them with EMCA-GDB
- [Testbench enhancements](#): New testbench filtering functionality and UX improvements
- [Atest: Extract Build Command](#): Extract build commands from an Atest .cfg file
- [Atest sections](#): Improved way to run Atest sections

Debug Bait Tests

We are excited to introduce Bait test debugging from the testbench! Run Bait tests and debug them with EMCA-GDB.

DEBUG

No Configurations

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THREADS

dsp0 PAUSED

dsp1 PAUSED

dsp2 PAUSED

dsp3 PAUSED

dsp4 PAUSED

CALL STACK

UPCUEABFCE\_... upcueabfce\_ueulactor\_lib.c 1090.0

upcueabfce\_ueulactor\_handleNullRpt2UciUll1PucchSrp

bbiTcbb\_UPCUEABFCE\_ueUActor\_UPCUEABFCE\_UE

LPP\_handleGspDspInterrupt lpp\_thr\_load.asm 476.0

LPP\_gspMain lpp\_thr\_gsp\_main.asm 239.0

VARIABLES

Local

pucchRpt2Ullng\_p: 0x341

ulSrIndData\_p: 0x3de7

fastData\_p: 0x3de0

ueUInfo\_p: 0x3e1a

common\_ueadmin.c

upcUeAbfCe\_test\_Trinity.cfg

dataInactivity\_test.c

upcueabfce\_ueulactor\_lib.c

```
1089 * @return TRUE if a new SR needs to be sent to DRA
1090 *
1091 *****
1092 BOOL UPCUEABFCE_ueULACTOR_processNrulllrpt2ulciUll1PucchSrRpt2UllInd(
1093     const NrUlllrpt2ulciUll1PucchSrRpt2UllInd* pucchRpt2UllInd_p,
1094     nrSrAbfCiUllSr5* const ulSrIndData_p,
1095     nrSrAbfCiFastData* const fastData_p,
1096     UPCUEABFCE_ueUInfos* const ueUInfo_p)
1097 {
1098     cm UPCUEABFCE_ueSession5* co
1099     UPCUEABFCE_ueADMIN_getUeSe
1100
1101     BOOL shouldSendUllSrToDra = FAL
1102     S32 srOnPucchPeriodicity = UPC
1103     UPCUEABFCE_SYSCONST_SR_ON
1104
1105     if (ueUInfo_p->srOnPucchRecep
1106     {
1107         ueUInfo_p->srOnPucchRecepti
```

TEST CONFIGURATION

test/bait/config\_SVP\_1ratBaseTrinity...

ts\_sendSrFromUpToDra

ts\_sendUllSrRpt2Up

ts\_sendUllSrRpt2UpSuccInd

ts\_sendUllSrRpt2UpFailInd

ts\_sendUllSrRptDataInactivityTimer...

ts\_sendMultipleUllSrRpts2Up

ts\_srToPuschLatCounter

ts\_uiScheduling

ts\_uiScheduling\_srWeights

ts\_uiScheduling\_uiCaState

ts\_uiSuccessIndScellActivation

ts\_sendUllSrRpt2UpSuccIndReTxPar...

ts\_uiScheduling\_uiSrReset

ts\_ui\_thp\_counters

ts\_ueUThpCounters

ts\_verifyMacTimeUllResUe

ts\_ueUllSrLcgCounters

ts\_activeUe\_Counters

ts\_uiContentionDelayCounter

ts\_dl\_counters

0 0 0

Cloud Studio

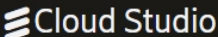
dev004-cloud-studio.huber002.rnd.gic.ericsson.se

☆

You are using an unsupported command-line flag: --disable-web-security. Stability and security will suffer.

ehazcuh

Welcome, ehazcuh

Cloud Studio

+New Cloud Workspace

Write code using the latest Baseband Workspace

Click to get to first time configuration

bonyRemoteMonkey

Created: 2021-10-25 21:05:33

OpenDeleteStop

glumWeightyOkapi

Created: 2021-10-25 21:05:01

OpenDeleteStop

densePerfectPorpoise

Created: 2021-10-19 17:16:37

OpenDeleteStop

betterScaryNewt

Created: 2021-10-18 22:14:30

OpenDelete

hollowDisgustingCrab

Created: 2021-10-18 21:53:09

OpenDelete

uniformFirsthandPony

Created: 2021-10-11 20:37:32



Cloud Studio

dev004-cloud-studio.huber002.rnd.gic.ericsson.se

1. Gerrit

2. Artifactory

3. Done

Enter Artifactory API Key Step 2 of 3

Please copy your existing Artifactory credentials from the `~/netrc` file found in your VDI, [or generate a new key](#). To edit this key in the future, please use Cloud Studio Settings.

Artifactory Host(ARM)

arm.rnd.ki.sw.ericsson.se

Artifactory Key

artifactoryKey

Add

✓ Credentials for [arm.rnd.ki.sw.ericsson.se](#) successfully added

Back

Next

A screenshot of the Gerrit web interface. On the left, the 'Settings' page is visible, showing the 'Using Gerrit HTTP Password Generator' section. It includes a 'Hostname' field with a value of 'hostname2', a 'Token' field, and a list of 'Existing tokens' containing 'hostname1' and 'hostname2'. A 'Return' button is at the bottom left. A dark grey modal dialog is centered on the screen, displaying the question 'Are you sure you want to delete your token?' in bold. Below the question, it states 'Your token of hostname2 will be permanently deleted. This cannot be undone.' At the bottom of the dialog are two buttons: 'Cancel' and 'Delete Token'.

## 2. Software Development Apprentice

Company: Tarena

Location: Nanjing, China

Date: Jan 2019 – Apr 2019

Session 1: Java development

Projects: E-reader application, Weather application

Technologies: Java, Android Studio



Session 2: C++ development

Projects: Pop Star, Five in a row, Minesweeper

Technologies: C++, QT, Linux



# Individual Projects:

## 1. To-Do List Application



Technologies: Node.js, Express, EJS, HTML, MongoDB Atlas, Heroku

[Click here](#)

## 2. A Startup Website



Technologies: Bootstrap, CSS, HTML

[Click here](#)

Other projects in Machine Learning, Data Mining and Information Retrieval, please see them in my [GitHub](#).