HELDER CORREIA

Senior Mobile Engineer | Team Lead

Ex- Samsung, Nokia, HP, Palm, Qualcomm, Siemens

Native Android | KMP
Clean Architecture | DI
Compose | MVVM | MVI
Kotlin | Coroutines | Flows

- hecosw
- heldercorreia
- hecosw@tuta.io
- heldercorreia.bitbucket.io

SKILLS

Kotlin	5 yrs
Java	7 yrs
Android	7 yrs
Jetpack Compose	3 yrs
User Interface	13 yrs
C++	9 yrs
Python	7 yrs
Qt framework	3 yrs
OpenGL ES	3 yrs
Git/Code Review	13 yrs
Mentoring / Leadership	6 yrs

EDUCATION

- 🏛 NOVA University Lisbon
- 🎓 Computer Science (5 yrs)
- 📅 Jan 2006

OPEN-SOURCE

- 🌐 speedcrunch.org
- heldercorreia/speedcrunch

Cross-platform high-precision scientific calculator, in C++ and Qt, with over 1 million downloads. Available for Windows, macOS and Linux.

LANGUAGES

English	C2
Portuguese	Native
Spanish	C1
French	B1
Norwegian	B1

PROFESSIONAL EXPERIENCE (19 YEARS)

iSpot.tv | Senior Mobile Engineer, Mobile Lead (remote)

📅 Sep 2022 – Present   📍 New York, US-NY   💼 TV Ad Metrics

- › Led Mobile Team of Tunity, an app for hearing lip-synced muted TVs out-of-home.
- › Increased Android crash-free user rate from 60% to 99.9%+.
- › Achieved Google Play 4+ user score average during ownership.
- › Embedded TFLite machine learning model for on-device TV and channel detection.
- › Won Best Mobile App award at Cynopsis Sports Media Awards 2023.
- › Skills: Android, Kotlin, Java, Compose, REST, Python, OpenCV, TensorFlow Lite, Git

19Labs | Senior Mobile Engineer, Android Lead (remote)

📅 Dec 2017 – Aug 2022   📍 Silicon Valley, US-CA   💼 Telemedicine

- › Led Android apps GALE eClinics and VisualVitals, a remote point-of-care platform.
- › Reduced crashes by 90+% and boot time by 80+%.
- › Achieved instant translation of native and HTML5 views, supporting RTL languages.
- › Managed to send live vitals embedded in Zoom video stream to remote doctors.
- › Mentored 12+ co-op students and junior developers.
- › Skills: Android, Kotlin, Java, Compose, REST, Python, ML Kit, Git

Samsung Electronics | Principal Mobile Engineer, UI Lead (hybrid)

📅 Mar 2014 – Mar 2016   📍 Silicon Valley, US-CA   💼 mHealth

- › Led user interface and desktop simulator of Simband modular health wristband.
- › Achieved 30 FPS transitions on a low-resource device using shading language.
- › Skills: Android OSP, Tizen, C++, OpenGL ES, GLSL ES, Git

Nokia (acq. by Microsoft) | Principal Mobile Engineer, 2D Graphics

📅 May 2012 – Mar 2014   📍 Silicon Valley, US-CA   💼 Consumer Electronics

- › Added accelerated compositing to unreleased novel device running HTML5 apps.
- › Skills: C++, OpenGL ES, WebKit, Yocto, Git

Palm (acq. by HP) | Senior Mobile Engineer, 2D Graphics

📅 Apr 2011 – May 2012   📍 Silicon Valley, US-CA   💼 Consumer Electronics

- › Released HP Touchpad, same HTML5 Canvas coverage as iPad 2 but 5% faster.
- › Skills: C++, WebKit, Qt, webOS, Git

Sencha | Principal Mobile Engineer, 2D Graphics

📅 Aug 2010 – Apr 2011   📍 Silicon Valley, US-CA   💼 Frameworks

- › Became WebKit Committer, Apple title requiring 20+ high-quality contributions.
- › Supported 100% of shadow effects in QtWebKit port.
- › Skills: C++, Python, JavaScript, WebKit, Qt, Android, Git

Qualcomm | Senior Mobile Engineer, 2D Graphics

📅 Jan 2010 – Aug 2010   📍 San Diego, US-CA   🏭 Consumer Electronics

> Doubled Android browser FPS on page scroll and zoom in research project.

> Skills: C++, JavaScript, Skia, Android, Git

Trolltech (acq. by Nokia) | Senior Support Engineer

📅 Apr 2008 – Apr 2009   📍 Oslo, NO   🏭 Frameworks

> Achieved new daily record of ~40 handled tickets from Qt framework customers.

> Skills: C++, Qt, Qt for Embedded Linux, Git

UDP (now Rubberduck) | Software Engineering Consultant

📅 Mar 2007 – Apr 2008   📍 Oslo, NO   🏭 Seismic

> Implemented real-time seismic data library for Schlumberger WesternGeco.

> Skills: C++, Solaris, SVN

Siemens (acq. by Nokia) | Software Developer

📅 Sep 2005 – Mar 2007   📍 Lisbon, PT / Munich, DE   🏭 Telecom

> Implemented real-time software for carrier grade telecommunications platforms.

> Skills: C++, Linux, RTOS, Rational Rhapsody, Rational ClearCase

OnSite Lda | Consultant

📅 Mar 2005 – Aug 2005   📍 Lisbon, PT   🏭 Telecom

> Implemented library for sending SMS via GSM modems connected to a Linux box.

> Administered SQL Server databases at Portugal Telecom.

> Skills: Java, SQL