

Contact Information

HELDER CORREIA | Senior Mobile Engineer

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Professional Summary

19 YoE in software engineering. Spent the last 7 years on Android and the last 14 years on broader mobile space. I've extensive experience with mentorship, as well as leadership of small teams. I've collaborated on a daily basis with cross-functional teams for the past many years, including designers, product managers, and QA engineers. I'm known for pixel-perfect spec-to-screen results. I have a long past developing C++ apps and frameworks.

Work Experience

Senior Mobile Engineer (Mobile Lead) September 2022 - Present

HEXIS TECHNOLOGY HUB | Lisbon, Portugal (remote)

- Led mobile development of Tunity (by iSpot, New York), an app for hearing muted TVs out-of-home.
- Achieved Google Play 4+ user score average during ownership, up from 1.6 previously.
- Embedded a machine learning model for on-device TV and channel detection, reducing server costs.
- Won the Best Mobile App award at Cynopsis Sports Media Awards 2023.
- Tech stack: Android, Kotlin, Java, Jetpack Compose, REST, Python, OpenCV, TensorFlow Lite, Git, JIRA

Senior Mobile Engineer (Android Lead) December 2017 - August 2022

19LABS | Silicon Valley, California (remote)

- Led Android development of the GALE kiosk remote point-of-care platform, a telemedicine solution for rural communities.
- Modernized old code base with early adoption of Kotlin and Compose, vastly improving stability and productivity.
- Achieved instant translation of native and HTML5 views, supporting RTL languages like Arabic, without activity restart.
- Tech stack: Android, Kotlin, Java, Jetpack Compose, Zoom SDK, REST, Python, ML Kit, Git

Principal Mobile Engineer (UI Lead) March 2014 - March 2016

SAMSUNG ELECTRONICS | Silicon Valley, California (remote since August 2014)

- Led user interface and desktop simulator of Simband, a pioneer health-tracking wearable prototype (pre-Galaxy Watch).
- Tech stack: Android OSP, Tizen, C++, OpenGL ES, GLSL ES, Git, Bugzilla

Principal Mobile Engineer May 2012 - March 2014

NOKIA (division acquired by MICROSOFT) | Silicon Valley, California

- Added accelerated compositing to an unreleased novel device running HTML5 apps, using WebKit.
- Tech stack: C++, OpenGL ES, WebKit, Yocto, Git

Senior Mobile Engineer April 2011 - May 2012

PALM (acquired by HP) | Silicon Valley, California

- Released HP Touchpad tablet device, with same HTML5 Canvas coverage as iPad 2 but 5% faster.
- Tech stack: C++, WebKit, Qt, webOS, Git

Principal Mobile Engineer August 2010 - April 2011

SENCHA (formerly EXT JS) | Silicon Valley, California

- Became WebKit Committer, an Apple title requiring 20+ high-quality contributions to the WebKit open-source project..
- Tech stack: C++, Python, JavaScript, WebKit, Qt, Android, Git

Senior Mobile Engineer January 2010 - August 2010

QUALCOMM | San Diego, California

- Doubled Android browser scroll and zoom performance in research project for Adreno GPU optimization.
- Tech stack: C++, Python, JavaScript, WebKit, Qt, Android, Git

Senior Support Engineer

January 2010 - August 2010

TROLLTECH (acquired by NOKIA) | Oslo, Norway

- Achieved new daily record of ~40 handled tickets from Qt framework customers.
- Tech stack: C++, Qt, Qt for Embedded Linux, Git

Software Engineering Consultant

March 2007 - April 2008

RUBBERDUCK (formerly UDP) | Oslo, Norway

- Implemented real-time seismic processing data library at Schlumberger WesternGeco for ocean-bottom oil exploration.
- Tech stack: C++, Solaris, SVN

Software Developer

September 2005 - March 2007

SIEMENS (division acquired by NOKIA) | Lisbon, Portugal

- Implemented real-time software for carrier grade telecommunications platforms.
- Tech stack: C++, Linux, RTOS, Rational Rhapsody, Rational ClearCase

Consultant

March 2005 - August 2005

ONSITE LDA | Lisbon, Portugal

- Administered SQL Server databases at Portugal Telecom.
 - Implemented library for sending SMS via GSM modems connected to a Linux box.
 - Tech stack: Java, SQL
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Skills

- Programming Languages: Kotlin (5 years), Java (7 years), C++ (9 years), Python (7 years)
- Tools: Git, Bitbucket, GitHub, JIRA, CircleCI, Firebase (Crashlytics, Remote Config), Google Play Store
- Frameworks: Android SDK, Jetpack Compose, Kotlin Coroutines, Kotlin Flows, Hilt, Koin, Arrow, KMP

Projects

SpeedCrunch.org | Cross-platform high-precision scientific calculator with over 1 million downloads (C++, Qt).

Education

Bachelor of Science in Computer Science (5 year degree)

NOVA University, Lisbon, Portugal | Graduated: January 2006