

# Mpendulo Ndlovu

## PROFILES

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*Github* <https://github.com/elefantel>  
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## EDUCATION

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**MSc. Engineering** 2013 - 2014  
*University of the Witwatersrand*

**Thesis Title:** A Permutation Coding and OFDM-MFSK Modulation Scheme for Power-Line Communication.

**BSc. Electrical Engineering** 2008 - 2012  
*University of the Witwatersrand*

## PROFESSIONAL EXPERIENCE

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**Principal Software Engineer, iOS** April 2018 - present

*Luno*

A cryptocurrency wallet company. I lead a global team of iOS engineers, providing technical direction. I collaborate with other platform principals in developing best practices for Luno Engineering. Also working with Engineering directors in executing Luno's Engineering strategy. Collaborating with various stakeholders including Engineering management, Product and Design. Developed many tooling solutions and frameworks including CI/CD, authentication, persistence, testing, theming, reusable components etc

**iOS Software Engineer** June 2016 - March 2018

*Global Kinetic*

A Fitch company. Developed mobile applications for large Banking, Insurance, and Retail enterprises. Trained engineers for enterprises.

**Research Software Engineer** 2014 - 2016  
*Seecrypt Group Inc.*

An encryption company. I worked in R&D and implemented a state-of-the-art jitter buffer algorithm for a VoIP application to mitigate the effects of packet jitter and packet loss on voice quality. Also worked on video calling, performing encoding. Other solutions briefly worked on: WebRTC and Asterisk.

**Core Network Engineer** 2014 - 2014  
*Huawei.*

A telecoms company. Led commissioning of IMS core network media gateways for South Africa's leading mobile carriers.