

# Mohamed Yousif

## Software Engineering

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### Mohamed Yousif

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### Skills

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Backend engineer with strong skills in Golang and Python. Founded a successful startup, led the development of Morsal one of the country's largest electronic payment. Interested in distributed systems and building intelligent applications.

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### Experience

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#### Gndi / Cofounder - software engineer

SEPTEMBER 2016 - PRESENT, KHARTOUM

I cofounded Gndi (subsidiary of ACTS). We provide software solutions in variety of fields including: remote sensing, GIS and electronic payment.

I led the company engineering and development team where my explore various problems and try and offer our software services. My engineering team consists of 8 engineers, with variety of specialization (backend engineers, data scientist and mobile and frontend developers).

#### Ashrafcom / Technical Manager, Morsal

JANUARY 2018 - DECEMBER 2018, KHARTOUM

I led the development of Morsal; an electronic payment platform which tries to offer a combination of PayPal-mastercard kind of business models. I led the development of the backend system where we used various Python with Django to develop our system. I wrote most of the system APIs led its PCI certification process tests.

The system is now running hundreds of point of sales and thousands of prepaid cards.

#### EEBAx / Founder - software developer

APRIL 2014 - JAN 2016, KHARTOUM

This was our college startup. I founded it with my lifetime friend so to cover for our school expenses and we also wanted to start something that will help us later in shifting our careers (we were developers studying surveying engineering).

We managed to build plugins for ArcGIS and AutoCAD (most used software in our field). We postponed our startup to put more focus into the final year graduation project.

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## Education

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### University of Khartoum / BSc (hons.) in Surveying Engineering

OCTOBER 2011 - DECEMBER 2016, KHARTOUM

I studied surveying engineering and specialized in Geodesy and Geophysics. We won the award for the best graduation project.

### Andalus University / High School Certifications

MAY 2009 - MARCH 2011, Kosti

I scored 86% in my high school certifications. My major was computer science.

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## Awards

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- Mashrouy IV Top 12 candidate. Using our graduation project we made it into Mashrouy (British council national wide competition) best 12 project. The initial number of candidates exceeded a thousand candidate from all over of Sudan.
  - Best graduation project award for our project (GeoidApp). A Docker based system to efficiently compute the geoid in Sudan. Our model achieved 35% improvement over previous models (check technical details in the project repository, <https://github.com/adonese/graduation-project>)