

Muhammad Yahya

ETHEREUM BLOCKCHAIN DEVELOPER · MSc GEOINFORMATICS

Kirchblütenweg 15, 70569 Stuttgart, Germany

☎ (+49) 1521 3060623 | ✉ yahya_gis@hotmail.com | 📱 m-yahya | 📺 m-yahya | 🐦 @yahya_gis

Summary

My interests are Ethereum blockchain, JavaScript, Python and frontend technologies. I'm determined to explore innovative horizons of knowledge and practical learning with full determination. Currently, I'm learning React.js.

Work Experience

Ethereum Blockchain Developer

Sep. 2018 - Present

OLI SYSTEMS GMBH

Stuttgart, Germany

- Developing SPAs with Vue.js.
- Creating Snaps for Python applications.
- Developing Smart Contract using Solidity programming language.
- Building Decentralized Applications (dApps) on the top of Ethereum network.

Research Assistant

Oct. 2018 - Mar. 2019

HOCHSCHULE FÜR TECHNIK (HFT)

Stuttgart, Germany

- Delivered lectures on the basics of JavaScript and jQuery.
- Designed & implemented a tutorial about basics of Node.js.
- Contributed in the creation of proceedings for FOSS4G 2016, 2017.

GIS Analyst Internee

Feb. 2015 - Mar. 2016

PUNJAB MUNICIPAL DEVELOPMENT FUND COMPANY (PMDFC)

Lahore, Pakistan

- Prepared mosaic of satellite images using ERDAS Imagine.
- Provisioned with digitization and basics of Geo-processing in ArcGIS Desktop.
- Performed land use mapping and analysis of municipal properties for Punjab TMAs.

Lecturer Geography

Mar. 2013 - Dec. 2014

JINNAH SCHOOL OF SCIENCES AND COMMERCE COLLEGE

Nokhar, Pakistan

- Member of student advisory committee.
- Taught Geography to intermediate level students.

Education

M.Sc. Photogrammetry and Geoinformatics

Oct. 2016 - Aug. 2018

HOCHSCHULE FÜR TECHNIK (HFT)

Stuttgart, Germany

- Thesis: Decentralized Green Energy Certification on the top of a Web3 Based Energy Geo Browser.

B.Sc. (Hons) Geography

Aug. 2008 - Aug. 2012

GOVERNMENT COLLEGE UNIVERSITY (GCU)

Lahore, Pakistan

- Thesis: Digital Mapping of Lahore Metropolitan Area using GIS & Remote Sensing Techniques.

Skills

Programming	JavaScript, Solidity, Node.js, Python
Libraries & Frameworks	Vue.js, Truffle, Express, Web3.js, Leaflet.js, Plotly.js, D3.js
Databases	MongoDB
Softwares & Tools	Git, Jira, LaTeX, MS Office, ArcGIS Desktop
Languages	English, Deutsch, Urdu, Punjabi

Workshops & Training

2018	Coding Summer School , Training workshop on web technologies and new ways to build websites	Virtual Identity
2012	Training Workshop On Digital Cartography , Hands-on training on ArcGIS and GPS technology.	GCU Lahore
2012	Workshop on Disaster Risk Management , Workshop destined to work on disaster risk reduction	GCU Lahore

Projects

Building Snaps for Python Apps

Oli Systems GmbH

SNAP DEVELOPMENT FOR PYTHON APPLICATIONS [↗](#)

2019

- Inter-snap communication using the Content interface.

OLI dApps Portal

Oli Systems GmbH

DECENTRALIZED APPLICATIONS BUILT ON THE TOP OF THE VOLTA ETHEREUM NETWORK [↗](#)

2018

- Oli Chain Explorer
- Charging Origin App
- Oli Tokenization App
- Green Energy Geo Browser
- Asset Logging and Flex Control

Visualization of SDGI using D3.js and Web Maps

HFT, Stuttgart

ACADEMIC RESEARCH PROJECT [↗](#)

Nov. 2017

- Interactive & dynamic visualization of Sustainable Development Goal Indicators.

Blog Posts

2021	OLI dApps Portal , A collection of Ethereum based dApps ↗	Medium Article
2021	Dynamically Building Nested List from JSON data and Tree view with CSS3 , Dynamic tree view for nested list with CSS3 ↗	Medium Article
2020	Building dApp's with Node.js and Webpack , A step-by-step tutorial ↗	Medium Article
2020	The Joy of Building Snaps for Python Applications , The inter-snap communication ↗	Medium Article
2020	Getting Started with LaTeX , Learn LaTeX from basic to advance level ↗	Medium Article
2018	Test Driven Solidity with Truffle , Unit-Testing of Smart Contracts ↗	Medium Article
2012	Digital Cartography , Published in the annual scientific publication of GCU, Lahore.	Scientific Ravi

Awards & Recognition

2017	DAAD Scholarship , Merit scholarship by German Academic Exchange Service DAAD.	HFT, Stuttgart
2017	Knödler Decker Scholarship , Merit scholarship by Knödler Decker Stiftung.	HFT, Stuttgart
2012	Academic Role of Honour , 1 st position in B.Sc (Hons).	GCU, Lahore
2012	Gold Medal , 1 st position in B.Sc (Hons).	GCU, Lahore

Language Proficiency

- IELTS: 6.5 Overall band score (Listening 6.0, Reading 6.5, Writing 6.5 and Speaking 6.5).
- English has been medium of instructions & examinations since Secondary School Education.
- A2 level of Deutsch, Urdu is my national language and Punjabi is my mother tongue.

Interests & Extra Information

2017	AOK Stäffeles Walk , Participated in 19th AOK Stäffeles Walk and run up.	Stuttgart, Germany
2017	Student Buddy , Volunteered in student buddy service.	HFT, Stuttgart
2008	Member , Member of Hiking and Mountaineering Club.	GCU, Lahore
2005	Boy Scout , Participated in National Summer Scouts Camp.	Murree, Pakistan

Enjoy reading newspapers and books as they are a unique source of learning and a good companion.