

KOLOS GAL

078 869 834 20
kolos.gal@hotmail.com

London
Southgate
United Kingdom
N11 XXX



PROFILE

A Software Engineer with 5 years of commercial experience in server and client-side application design and implementation. Accomplished in delivering project works independently, and performs well as part of a team.

Represents the MacGyver of Software Engineering; regardless of his limited tools in his toolbox (skills and experience), he solves any problem, finds a solution, and builds quality software. His strong research skills, passion to learn and outside-the-box thinking make him capable.

Keen to build quality and clean code, with an end product that is pleasant to use and well presented, paying attention to the smallest details.



WORK EXPERIENCE

SARTORIUS STEDIM BIOTECH

Software Engineer

Jan 2023

Aug 2021

- Participated in the development and successful release of SteamLink® CC 15; the all-in-one bench-top system, providing automated process to clarify and/or purify cell culture samples.
 - Took responsibility for the design, development, testing, documentation and maintenance of software.
 - Developed and completed required testing and documentation, and provided feedback on the physical testing of the machine to team members.
 - Participated fully in continuous improvement activities; design and implementation
 - Took part in team and project meetings

CADCORP

Software Engineer

Jun 2020

Jul 2018

CADCORP

Graduate Engineer

Jun 2018

Jul 2017

- Independently delivered the entire life-cycle of several customer order projects.
 - Carried out the analysis of software requirements specification, as well as the design and implementation of software.
 - Developed extensions to the core products with custom, customer defined functionality, and also delivered individual software projects.
- Improved the quality of core products by debugging, resolving issues and performing numerous fixes.
- Enhanced core products by adding new features and functionality, and by applying behaviour changes.
- Upgraded old project codes to be compatible with the latest products and technology.
- Established and maintained the Cadcorp SIS WebMap for Power BI solution; the integration of the main product with Microsoft PowerBI

PERSONAL SKILLS

- Natural problem solver
- Outside-the-box
- Creative
- Strive for excellence
- Attention to detail
- Well-presented output
- Self-motivated
- Willing to learn attitude
- Team player
- Friendly

TECHNOLOGIES UTILISED

Frameworks

 .NET Framework

 PowerBI Custom Visuals

Back-end Development

 C#

 TypeScript

 SQL

 MySQLite

 SQL Server

Front-end Development

 HTML

 CSS

 JavaScript

 jQuery

 AJAX

 WPF

Version Control

 Azure DevOps

 SourceTree

 Git

 TortoiseSVN

*Ratings represent the frequency of technology utilised

REFERENCE WORKS

- <http://kolosworks.eu5.net>
- <http://goblinland.eu5.net>



EDUCATION HISTORY



BSc (Hons) Computing and Information Systems First-class honours

May 2016

Sep 2015

Key modules:

Software Engineering, Advanced Databases, Development Methodologies, Project Management, Project



Pearson BTEC Level 5 HND Diploma in Computing and Systems Development (QCF)

Jul 2015

May 2013

Key modules:

Procedural Programming	C#
Programming in Java	Java
Database Design	SQL
Data Analysis & Design	SQL
Website Design	HTML, CSS, JavaScript
Web Applications Development	PHP
Digital Image Creation	Photoshop



(Kistarcsa, Hungary)

May 2007

Jun 2005

System Administrator, CISCO CCNA / Level 2



(Isaszeg, Hungary)

Jun 2005

Sep 2001

GCSE

LANGUAGES

- English
- Hungarian

INTERESTS



Football

- Playing, Watching, Betting



Health and Fitness

- Gym and Body Building
- Diet and Nutrition



Mind

- Meditation and Mind Control
- Spirituality
- Philosophy



Farming and Cultivation



Music



Movies



Science

- Universe, Quantum Physics, DNA



Technology

- Electric mobility, Audio, Computing, Games & Development, etc.



DIY

- Electronics: Arduino, e-Scooters
- Composites: Carbon fibre / fibreglass



Fashion & Clothing



Travelling

OTHER EXPERIENCE



PROFILE

Multi-talented and entrepreneurial professional, with proven success in leading a self-sufficient off-grid farm construction project in Northern Uganda. Adept at managing complex projects in challenging environments, combining hands-on technical expertise with strategic planning and team leadership to deliver high-quality outcomes.



ENTREPRENEURIAL PROJECTS

OFF-GRID FARM

Northern Uganda

Jun 2025

Aug 2023

Founder and Project Lead

- Coordinated and actively participated in the establishment of a fully equipped, solar-powered off-grid residence in a remote rural area.
 - Developed detailed architectural and project plans (including 3D modelling via SketchUp), defining timelines and step-by-step implementation.
 - Oversaw material sourcing and procurement in challenging conditions, from basic construction inputs (cement, sand, timber, tools) to advanced finishes (iron sheets, doors, windows, tiles, kitchen and bathroom fittings).
 - Built and managed a multidisciplinary team, including builders, carpenters, plumbers, electricians, solar technicians, and support staff.
 - Personally contributed technical expertise in electrical wiring, solar installation, and air conditioning systems.
 - Directed workflow coordination across all construction phases, from site clearance through to completion, ensuring quality standards despite logistical and environmental challenges (lack of grid power, water infrastructure, and road access).
- Achieved successful delivery of a European-standard, fully self-sufficient farm residence on 15 acres of fertile land, equipped with:
 - A large-capacity off-grid solar power system (providing 24/7 electricity with zero utility costs).
 - A 50,000-liter rainwater harvesting, filtration, and pumping system.
 - Sustainable farming infrastructure supported by reliable power and water systems.

KEY SKILLS

- **Project Management & Leadership:** Coordinated multi-phase construction in challenging off-grid conditions, managing timelines, resources, and a multidisciplinary team.
- **Technical Problem-Solving:** Hands-on experience in solar power installation, electrical systems, and water management solutions.
- **Architectural & Planning Tools:** Proficient in creating detailed 3D models and project timelines using SketchUp and related tools.
- **Resource Procurement & Logistics:** Skilled in sourcing diverse materials and coordinating supply chains in resource-limited environments.
- **Adaptability:** Versatile and effective in navigating diverse environments with limited infrastructure.
- **Attention to Detail:** Committed to high standards of quality and precision in project delivery.