CONTACT

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FIRST LANGUAGE: English

NATIONALITY: South African

RESIDENCY: United Kingdom
Isle of Man, IM92BW

VISA: Indefinite Leave to Remain (ILR) - no sponsorship required

WEB3.0
- Blockchain academia

- Digital Currencies
    - Cryptocurrencies
    - Tokenisation
    - Token economics
    - NFT's
    - Stablecoins
    - DeFi

- DLT foundations
    - Decentralisation
    - Consensus algorithms
    - Layer 2 protocols
    - Transactions
    - Mining
    - Block metrics
    - Smart contracts

- Blockchain fundamentals
    - Public chain infrastructure
    - Security\Attack vectors
    - DEX\CEX
    - Explorers
    - Nodes
    - Wallets
    - JSON-RPC

- Enterprise blockchain adoption
    - Private\Consortium chain frameworks
    - Adoption models
    - Hyperledger
    - BaaS

CV OF SHAYEN RAMSAHAI

Blockchain PhD candidate

EDUCATION

N-DIP ELECTRONIC ENGINEERING (L/C) COMMUNICATION SYSTEMS
DURBAN UNIVERSITY OF TECHNOLOGY (DUT) – SOUTH AFRICA

B-TECH ELECTRONIC ENGINEERING (L/C) COMMUNICATION SYSTEMS
DURBAN UNIVERSITY OF TECHNOLOGY (DUT) – SOUTH AFRICA

B-TECH MANAGEMENT (BUSINESS STUDIES UNIT)
DURBAN UNIVERSITY OF TECHNOLOGY (DUT) – SOUTH AFRICA

**MSC BLOCKCHAIN AND DIGITAL CURRENCIES
(*CUM-LAUDE*)**
UNIVERSITY OF NICOSIA (UNIC) – CYPRUS, GREECE

**PHD IN BUSINESS ADMINISTRATION: ENTERPRISE BLOCKCHAIN ADOPTION
(IN PROGRESS)**
UNIVERSITY OF NICOSIA (UNIC) – CYPRUS, GREECE

ISTQB
2016 - Certified tester, Foundation level
2018 – Certified tester, Advanced level, Test Analyst

IIST
2014 - Principles of software test automation
2014 - Software testing fundamentals and best practices
2015 - Developing reusable test designs
2017 - Effective test management

140+ LinkedIn certifications
10+ Udemy certifications

WORK EXPERIENCE

DERIVCO, ISLE OF MAN, UNITED KINGDOM: AUGUST 2019 – PRESENT

IT ENGINEER

- I support third party casino games, platforms and applications for regulated markets including the USA, UK, Spain, Malta, Ontario, and .com markets.

- I facilitate communications to handle deployments and technical support for numerous stakeholders such as the operators Betway, 32Red, and Digital Gaming Corporation (DGC), and their affiliated partners, including the Super Group Holding Company (SGHC) and Games Global Limited (GGL).

- I've fostered close business relationships between our organisations, to maintain high levels of customer service. This includes facilitating regular stakeholder meetings, strategizing inter-organisational roadmaps, handling incident management, maintaining technical debt and product backlogs.

- - Regulatory compliance
  - Legacy system integration

- FinTech fundamentals
  - Properties of money
  - DeFi
  - Regulation\ Compliance
  - Settlement systems
  - Payment rails
  - Lightning network

TECHNOLOGIES

- Microsoft Server
- Microsoft SSMS
- Octopus
- GIT
- Visual Studio Code
- Big-IP F5 Load balancing
- Firewalls
  - Cisco ASA 5505/5506
  - Fortinet
- Observability and Monitoring
  - Zabbix
  - Librato
  - Grafana
  - Observium
  - Orion
  - Kibana
- Testing
  - TestRail
  - JIRA/DISC DTS
- Application hosting
  - IIS admin
  - Web API's
- Cloud
  - Azure DevOps
  - CI\CD pipelines
  - Azure boards
  - Azure repos
- Networking
  - SolarWinds IPAM
  - Subnetting
  - DNS
  - ISP's
  - VPN's
  - CLI
- Cashier protocols
  - SAS
  - Rhino
- Scripting
  - PowerShell
  - Python
  - SQL
- Markup languages
  - JSON
  - YAML
  - XML
- Intermediate

- I manage networking infrastructure for casino backend systems primarily hosted at datacenters located in several global jurisdictions, including hundreds of established casino networks. I have traveled to and worked with teams in Sweden, Mexico, Ireland, South Africa and the Isle of Man.

- I have team lead and mentorship experience with IT engineering, driving innovation with strong leadership traits. I have developed a strong balance of technical and leadership qualities.

- I have led hundreds of engineering projects, including the implementation of new gaming systems, migrations of existing systems, enhancements, maintenance, and decommissions. I have led and signed off thousands of production ready software packages.

- I have extensive experience working on complex transactional system architectures. I use Citrix to manage gaming servers, API's, web servers, application servers, load balancers, and firewalls, regularly performing technical deployments, troubleshooting, maintenance and monitoring.

- I have experience with Git repositories, SQL databases, Powershell and Python automation, Octopus releases and AzureDevOs CI/CD pipelines. I monitor APM using Kibana, set up alerts and monitor metrics in Grafana and Bastion, with experience in Solawinds Orion, Zabbix, Librato, and Observium.

- I deal with live operator support, and facilitating maintenance, configuration, investigations, and deployments across all phases of the SDLC, including development, testing, certification and production environments.

- I have excellent communication skills, and strong coordination abilities to successfully collaborate with multiple teams located in diverse geographic regions. I have strong experience with enhancing product offerings, sharing knowledge and implementing strategic objectives to maximise user acquisition and product growth.

- I have experience creating and refining software-oriented processes during our engineering operations, aligning cross-functional teams across various global jurisdictions. I regularly streamline the deployment of software to optimise efficiency, while maintaining high standards of product delivery and customer service.

- I work independently and within a team. I often work remotely, always adhering to maintain a successful worth ethic, driven by integrity and the ambition to continuously learn and grow as demonstrated by my academic achievements.

- I adhere and contribute towards roadmaps, often setting goals and milestones that accommodate for dynamic changes regarding evolving business requirements.

DERIVCO, SOUTH AFRICA: JULY 2013 – AUGUST 2019
(RELOCATED TO THE ISLE OF MAN IN IN 2019)

SOFTWARE QUALITY ENGINEER (SQE)
- I have specialised in software quality engineering, gaining valuable leadership experience in numerous product areas through team lead experience within the quality engineering domain.

- This included leading projects on platforms, games, back-office solutions, bonus systems, hardware configurations, cashier protocols, and various casino specific products.

- o Docker
- o Kubernetes
- o Linux

PRODUCT\APPLICATION EXPERIENCE

- Online casino platforms
- Back-office banking
- Reporting systems
- Auditing systems
- 1000+ online games
- Progressive bonus features
- Electronic Gaming Machines (EGM's)

BEHAVIOURS

- Leadership
- Interpersonal skills
- Time management
- Situational awareness
- Conflict resolution
- Empathy
- Organisational skills
- Continuous learning
- Decision-making
- Proactive attitude
- Accountability

EXTRA CURRICULAR

- Frequent traveller
- Outdoor activities
- Literature
- Museum visits
- Cultural awareness
- Online short courses
- Gym\Jogging\sport

SCHOOL ACHIEVEMENTS

- Head prefect
- Dux (Valedictorian)
- Good-fellowship award
- Sportsman of the year

SPORT ACHIEVEMENTS

- Player of the year several times for football and cricket teams at club level.
- Highest goal scorer awards several times in football.
- Captained numerous sporting teams to championships.
- Played for numerous inter provincial sporting teams.

- I have extensive casino back-office experience in regulated markets, including configuring game menus, promoting new products, setting up bonus systems, and administering casino user's access.

- I have developed experience in user-centric design, incorporated feature enhancements, logging and tracking defects, risk assessments, categorizing incident severity, and tactically prioritizing tasks in alignment with business objectives.

- I have worked closely with design and development technical teams in agile, waterfall, and hybrid environments, to facilitate the release of high-quality defect free software. I have gained deep technical insight into various product areas by leading over 100 projects all the way through the product lifecycle, from inception, through the SDLC to sign-off, to maintaining these products in production environments.

- My core responsibilities included collaborating with cross-functional teams, establishing requirements, planning work breakdown structures, resource allocation, creating and improving processes, conducting retrospectives, and tracking KPI's and key metrics.

NETWORKING, INTELLOHOME, SOUTH AFRICA: 2012 – 2013

- I spent my in-service year working in home automation specialising in networking and control4 systems. This role introduced me to industry and engineering practices where I conducted a wide range of technical tasks, often working on site. I gained valuable experience in dealing with customers and fulfilling their requirements.

UNIVERSITY OF NICOSIA (UNIC), RESEARCH: 2020 – 2025

- I am a PhD candidate in blockchain research at UNIC. I have developed my academic foundation focused on innovation in Web3.0 digital trends and techniques, allowing me to grasp deep insights into understanding the related technologies and their transformative impact on industry. I have an excellent understanding of the Blockchain and crypto currency industry.

- I have developed a key skill to identify opportunities and relationships between emerging technologies. By strategizing the optimal technological combinations, this skill allows me to design innovative system processes that create novel value propositions, and potential new streams of income for organisations.

- My PhD dissertation is based on the adoption of Blockchain technology within the online casino industry. I am supervised by serval industry leading professors overseeing my research. My research is focused on three core frameworks:

1. A UK regulatory framework for Harm Reduction in online casinos.
2. A blockchain architecture technical design framework.
3. A blockchain adoption factor framework for industry integration.

- My focus is to establish myself as an industry leader in the Web3.0 ecosystem. I have a unique blend of technical, engineering, managerial, and blockchain/crypto qualifications and experience.

- I am always learning, continuously consuming knowledge, and consistently preparing myself to be a pioneer within the industry.

- I am a member of UNIC's Institute for the Future (IFF): https://www.unic.ac.cy/iff/about-iff/our-team/