

# MORGAN SZIRAKI

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I am an experienced SRE, Technical Team Lead, and cloud-based solution developer within the SmartHome IoT technology space, telecoms, and gaming industries.

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## PROFESSIONAL EXPERIENCE

### Key Roles

- **2025 - 2026:** Scalpel Ltd – Senior DevOps Engineer  
Providing tooling, AWS expertise and Cloud domain expertise designing hybrid ML model training.
- **2024 - 2025:** Zilch Technology – Senior Platform Engineer  
Responsible for ensuring AWS services are optimized and running.
- **2023 - 2024:** DevOps Engineer Supermassive Games Focused on automation of game asset delivery, package distribution, and build tooling.
- **2019 - 2022:** Tech Lead for SRE/DevOps, IoT Cloud Engineering Team  
Provided technical direction and SME support for Hive platforms deployed in production and staging.
- **2018 - 2019:** SRE and DevOps Engineer  
Developed systems to monitor platform performance, ensure uptime, automate rollouts, and monitor costs.
- **2017 - 2018:** Platform Software Developer  
Designed and implemented components for various service platforms.
- **2015 - 2017:** Deployment Engineer  
Developed components for a Ruby-based configuration and orchestration system.
- **2000 - 2015:** Senior Consultant  
Specialized in telephony switch provisioning, mediation systems, and interconnect billing.

- **1995 - 2000:** Web Developer  
Focused on integrating legacy systems with websites to create dynamic, online applications.
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## TECHNICAL SKILLS

- DevOps / SRE Technical Team Lead
  - Kubernetes, GitOps, K3s, Docker, Docker-Compose, Docker-Swarm, Vagrant
  - Portainer, K9s
  - Linux, unix Administration, networking since 1996, Kali and security tools
  - Ruby, Rails, Sinatra, Kotlin, Java, Python, Perl, C, Shell, Expect
  - SQL, NoSQL, MySQL, Postgres, ElasticSearch, DynamoDB, Redis, AuroraDb
  - Jira, PagerDuty
  - AWS: Cloudformation, VPC, EC2, Autoscaling Groups, Subnets, API Gateway, CloudWatch, Event Bridge
  - Agile, Scrum, Kanban
  - Kafka, RabbitMQ, MQTT, Mosquitto
  - IaC: Puppet, Chef, Ansible, Terraform
  - Monitoring: Wavefront, CloudWatch, Grafana, Kibana, DataDog
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## WORK HISTORY

### Scalpel Limited, London UK (06.2025 - present)

#### Senior DevOps Engineer

- Design and automate AWS infrastructure provisioning
- development of bespoke linux distro
- designing and integrating Terraform IaC Management + GitOps
- providing cloud domain expertise to improve ML model training
- linux administration

### Zilch Technology, London UK (08.2024 - 03.2025)

#### Senior Platform Engineer

- Maintain AWS infrastructure
- managed services via Kubernetes

- last line of support to ensure critical financial services are always up and running
- Terraform development to manage AWS Infrastructure
- linux development and administration
- support for maintaining External promotion asset distribution

### **Supermassive Games, Guildford, UK (03.2023 – 04.2024)**

#### **DevOps, LiveOps**

- Transitioned traditional AAA game development to cloud-based LiveOps.
  - Designed and implemented CDN mirroring on Fastly's Edge to enhance performance and reduce costs.
  - Created infrastructure for containerized game servers using K8s and Thundersnetes.
  - Automated asset mirroring, package distribution, and other processes.
  - Linux administration
  - EC2 linux instance configuration via GitOps
  - Kubernetes configuration management vi GitOps and Flux
  - Created Unreal MacOS buid tooling
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### **Centrica Hive, London, UK (07.2015 – 05.2022)**

#### **SRE Technical Lead, DevOps**

- Developed Ruby-based deployment and orchestration systems for AWS.
  - Implemented Kafka messaging architecture.
  - Built cost-monitoring tools and enhanced platform security.
  - Created Docker images for integration testing.
  - Ansible and Puppet based IaC
  - Created build pipelines using github actions, Teamcity, AWS tooling
  - Linux administration and kernel mods to support Java devs
  - Observability using Wavefront, Cloudwatch, Kibana with Elasitic Search (+ Lua development)
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### **Cartesian, London, UK (05.2000 – 06.2015)**

#### **Senior Consultant**

### **Highlights:**

- Automated infrastructure provisioning with AWS and custom Ruby/Python scripts.
- Designed modular OO Perl frameworks for billing assurance.
- Delivered mediation system migrations and training across various clients.
- Managed linux systems for optimised performance

### **Client Engagements:**

- **The Cloud:** Developed internal, virtualized infrastructure using Chef and Ruby.
  - **SKY (UK/Ireland):** Automated call generation using BluGem and Perl.
  - **Virgin Media, ntl, Telewest:** Developed telephony switch data extraction software using Perl::Expect.
  - \*\*Base Telecom (Brussels) : reverse engineered CRM using plsql
  - \*\*Vodafone Ireland : in situ replacement of Mediation systems
  - \*\*IBM Hursley Park : SME for mediation system switch for O2
  - Linux administration and product deployment using Chef, Puppet and Ansible
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## **EDUCATION**

**University of California San Diego**

*1984–1990*

**Degree:** Microbiology & Biochemistry (Emphasis on bioinformatics)

**Minor:** Music

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## **INTERESTS**

- Rugby enthusiast and former Southwark Tigers RFC coach.
- Passionate about open-source software and SmartHome integration projects.
- Enthusiastic cook and reader of books such as *Catch-22*, *Snowcrash*, and *Cryptonomicon*.

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**REFERENCES**

Available upon request.