Peter Russell

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Profile

A driven business leader, passionate about building world class software. A champion of personal development and driver of innovation and design that empowers colleagues to build great products and deliver excellence to customers.

Over 20 years experience in technology and leadership, with demonstrated success in design, architecture and innovation. Proven ability to build high-performing teams and retain technology professionals, delivering quality software to time and budget.

An experienced champion and practitioner of Agile and Scrum-based methodologies throughout the software lifecycle with an ability to adapt and manage change throughout the delivery process and within the team structure.

Core competencies include:

- Experience of building large distributed software systems

- Scrum and agile processes

- In depth understanding of client and server software

- Change management

- Managing high-availability and high-load systems

- Cost effective architectures using OSS

- Fostering personal development and innovation

- Building collaborative teams

Professional Experience

SENIOR DIRECTOR MOBILE TECHNOLOGY, IGT, LONDON – 2014 - PRESENT

Following the acquisition of Probability plc by IGT, managed the pivoting of the technology team and software stack to deliver an on-premise gaming solution for land-based Casinos and US Sportsbook.

The product provides sports betting and live roulette betting in a single App, allowing users to bet on the result of roulette wheels in the casino.

Providing:

- Player Wallet and Account management (Java Spring-based micro-services)
- Roulette & Baccarat Games engines, table management systems (Java Spring-based micro-services)
- Compliance-led reporting systems (OLAP DB)
- Container-based package and deployment (Docker)
- Services registered and discoverable using HashiCorp Consul
- API access protected at the gateway level using OAuth2 and JWT
- Zuul API gateway for service resiliency
- High availability built in natively within the design
- Native Apps (iOS: Swift, Android: Java/Kotlin)
- Patented regulation-grade user location systems
- Operator Portal for bet dispute resolution (PHP/JQuery)

Delivering:

Play MGM - Sports betting application available in Nevada, US
- During "March Madness" 2019, transactions peaked at ~2,000 transactions a minute on a system comprising 6 web servers - 4vCPUs 16GB of RAM each.
- Following this experience, we further load tested common scenarios and were able to almost double performance on the same hardware.

Four other Sports Betting sites across the US
- Docker Containerisation
- Spring MicroServices
- Puppet configuration management
- FlyWayDB schema versioning

Casino Austria
- Innovative live-table mobile betting solution developed allowing users to bet in realtime on results of Roulette and Baccarat games on Casino floor.
- Delivery of data from the roulette wheels and card shoes through to servers and on to client apps at incredible low=-latency sub-second speeds.
- Designed & built bluetooth based location device deployed on the casino floors. Two USPO patents were applied for in relation to innovations related to this project.

CTO, PROBABILITY PLC, LONDON – 2005-2014

Overseeing all technology aspects of the business and part of the Executive Management Team. From start-up to successful exit through acquisition by IGT plc.

Building a multi-tenant PAM and gaming engine and HTML5 slots and casino games supplied to both B2C and B2B business verticals. Customer Services portal, partner self-service portals, iOS and Android Apps

HEAD OF DEVELOPMENT, AOL-TIME WARNER UK – 2001-2005

Managed a UK development team building back-end systems for content delivery and Broadband order taking, provision and management. Integrating into BT and NTL's systems for order delivery and installation.

BEENZ.COM, GLOBAL INTRANET MANAGER - 2000 - 2001

Responsible for running a team of developers delivering internal Customer Account Management software for Customer Services team, customer billing software and APIs for the core systems.

NATWEST BANK / RBS, SENIOR PROGRAMMER/ANALYST - 1987 - 2000

References

Available on request