

# > Ivan ORAVEC

## Senior Security Engineer - Applications IAM

Bratislava / Trnava Region, SK · Hybrid

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SK/CZ native · EN C1 · DE limited

Security professional with 15+ years – rare blend of deep IAM engineering, offensive expertise, and cloud architecture (Azure + AWS). Career anchored in identity: AAA/RADIUS/TACACS at HPE (~50k users), PKI/HSM in banking (VUB Banka), cloud IAM & secrets at iptiQ/Swiss Re, app-level pentesting at Siemens Healthineers. Dual Azure-certified (AZ-104 + AZ-500, renewed 2026). Burp Suite Certified Practitioner.

## > Core Competencies

### Identity & Access Management

OAuth 2.0 / OIDC / SAML  
AAA (TACACS, RADIUS, Cisco ACS)  
Cloud IAM – AWS & Azure (RBAC)  
Secrets management (AWS Secrets Manager)  
PKI / HSM lifecycle management  
Service-to-service auth patterns

### Cloud & DevOps

Azure (AZ-500 + AZ-104, renewed 2026)  
AWS – EC2, IAM, VPC, S3, GuardDuty  
CI/CD pipelines – Azure DevOps  
Infrastructure as Code (IaC sec linting)  
Python · Bash · PowerShell

### Security Engineering & Offensive

Penetration testing (web, cloud, app)  
Threat modelling & secure arch review  
SAST / DevSecOps pipeline integration  
CTF – binary, crypto, cloud misconfigs  
Burp Suite Certified Practitioner  
IEC 62443, PCI-DSS, ISO 27001

### Leadership & Communication

Product ownership & roadmap definition  
PTaaS delivery management (Swiss Re)  
Executive risk reporting  
Agile / Scrum squad experience  
Speaker – Openslava 2024 & 2025

## > Competition Results

#8	Cybergame 2026 (1 Mar - 9 May 2026, NBU SR / SK-CERT) – 8th out of 920 participants, top 1% nationally in Slovakia's premier open cybersecurity competition.	1 Mar-9 May 2026
#2	BSides Bratislava CTF (5-8 May 2026) – 2nd place, demonstrating high-level offensive skills against experienced regional practitioners.	5-8 May 2026
#23	Guardians Qualifications 2026 – blue team defence (14-15 Feb 2026) – captained team 'I099627' to 23rd place out of 130 teams.	14-15 Feb 2026
#297	0xfun CTF 2026 (12-14 Feb 2026) – captained team 'knowitalls' to 297th place out of 1,351 teams.	12-14 Feb 2026

## > Practical Experience

Mar 2026 – Today

### e0 Security

- > **Independent Security Researcher**
  - > Deep-dive research into application IAM attack surfaces: OAuth/OIDC flow abuse, token forgery, secrets vault misconfigs, CI/CD credential leakage.
  - > Active CTF competitor and team captain (see Competition Results).
- OAuth / OIDC Attack & Defence · Cloud IAM Research · Secrets Exploitation · CTF · Python*

Mar 2024 – Feb 2026

### Siemens Healthineers

- > **Senior Penetration Tester / Source Code Analyst**

- > Designed and executed comprehensive pentests across Azure-hosted healthcare platforms, focusing on application-to-application authentication and authorisation flows.
- > SAST across healthcare software – identity-related code paths, privilege escalation risks, secrets handling patterns; aligned to IEC 62443.
- > Integrated security testing into CI/CD pipelines on Azure DevOps – automated secret detection and policy-as-code gates.
- > Translated findings (auth bypass, token misuse) into executive risk reports; advised on access control hardening and cloud IAM policy.
- > Automated testing workflows using Python and Bash.
- > Speaker at [Openslava 2024](#) – “What’s All The Fuzz About?” – ethical hacking workshop, PortSwigger research, live web attacks, AI in pentesting.
- > Speaker at [Openslava 2025](#) – “Bypassing Web Application Firewalls” – WAF evasion lab: payload encoding, JS quirks, fuzzing.

*Azure DevOps · Application Auth Testing · SAST · Secrets Detection · IEC 62443*

Mar 2022 – Feb 2024 **iptiQ by Swiss Re**

> **Security Operations Engineer**

- > AWS IAM across multiple accounts – RBAC structures, least-privilege policies, service account lifecycle.
- > Owned secrets management via AWS Secrets Manager – rotation policies, access auditing, hardcoded-credential elimination.
- > CloudTrail, GuardDuty, S3 security policies; threat hunting and incident response with AWS-native tooling and SIEM.
- > Agile security backlog: epics, acceptance criteria, cross-functional alignment.
- > Introduced IaC security linting and automated compliance scanning.

*AWS IAM/RBAC · Secrets Management · Least Privilege · DevSecOps · Incident Response*

Jun 2019 – Feb 2022 **Swiss Re**

> **PTaaS Delivery Manager**

- > Owned full PTaaS product lifecycle – scope, roadmap, SLAs aligned to Swiss Re’s cloud security strategy across Azure and AWS.
- > Managed external ethical hacker teams and vendor relationships; coordinated cloud-hosted auth/authz testing.
- > Executive dashboards surfacing IAM-related risk trends to senior leadership.
- > Guided remediation workstreams for auth and access control findings.

*Product Ownership · PTaaS Delivery · Azure/AWS Architecture · Stakeholder Communication*

Sep 2016 – May 2019 **VUB banka (Intesa Sanpaolo Group)**

> **Information Security Specialist**

- > PKI operations and HSM lifecycle for internet and mobile banking platforms serving millions of users.
- > Secret key material governance, CA operations, token issuance – foundational to modern secrets management.
- > PCI-DSS compliance audits; endpoint protection and mobile security provisioning.

*PKI · HSM · Certificate Management · Secrets Governance · PCI-DSS*

Mar 2014 – Aug 2016 **First Data Corporation**

> **EMEA Security Devices Manager**

- > Lifecycle of 200+ military-grade Secure Cryptographic Devices across EMEA Tier 3+ data centres.
- > Integration consulting for cryptographic infrastructure with international stakeholders.

*Cryptographic Device Management · HSM · Enterprise Infrastructure · EMEA*

Mar 2013 – Feb 2014 **KPMG**

> **IT Security Consultant**

- > ISO 27000 compliance, risk analysis, security governance for public and private sector clients.
- > Co-authored security training curricula; delivered awareness sessions to mixed audiences.

Aug 2010 – Feb 2013

### **Hewlett Packard Enterprise**

#### > **Network Infrastructure Security Engineer**

- > Secured network access for ~20,000 devices and ~50,000 active users via TACACS+, RADIUS, Cisco ACS – core IAM at enterprise scale.
- > Juniper SSL gateways, Active Directory integrations; host security hardening across the global HPE network.
- > Deep Linux/Unix expertise established here underpins all subsequent cloud and security engineering.

AAA / TACACS+ / RADIUS · Active Directory · Identity Infrastructure · Linux/RHCE

## > **Education and Training**

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2005 – 2010

### **Slovak University of Technology in Bratislava (STU)**

- > **M.Eng. – Applied Informatics, specialisation Security Engineering**
- > Diploma thesis (A): Methodologies for Examination of Information Systems Security
- > Award-winning bachelor thesis on HPC cluster simulation.

## > **Certifications**

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- > **AZ-500 Azure Security Engineer** Microsoft · Renewed 2026 (orig. Jul 2021)
- > **AZ-104 Azure Administrator** Microsoft · Renewed 2026 (orig. Jun 2021)
- > **Burp Suite Certified Practitioner** PortSwigger · Jul 2024 – Jul 2029
- > **RHCE / RHCSA** Red Hat · Jan 2011

## > **Hobbies**

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- > cycling
- > competing in Alternate Reality Games
- > fixing broken Apple products