

# KSHITIJ NIGAM

## LEAD PRODUCT SECURITY ENGINEER

✉ [kshitij\\_nigam@hotmail.com](mailto:kshitij_nigam@hotmail.com) ☎ +43 676 7187059 📍 Vienna, Austria

🌐 [kshitijnigam.com](http://kshitijnigam.com) 🔄 [github.com/nigamelastic](https://github.com/nigamelastic) ▶ [youtube.com/nigamelastic](https://youtube.com/nigamelastic)

### PROFESSIONAL SUMMARY

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Strategic Security Leader with over **14 years of expertise** (since 2012) in protecting global cloud ecosystems. Expert in **Cloud Security Posture Management (CSPM)**, **AI Security orchestration**, and automated DevSecOps pipelines (**SAST, DAST, SCA**). Currently focused on implementing **Agentic Pentesting** frameworks (Shannon, CAI, Strix) using local LLMs. Specialist in architecting centralized Vulnerability Management Systems and high-throughput security automation.

### PROFESSIONAL EXPERIENCE

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#### LEAD PRODUCT SECURITY ENGINEER

Feb 2022 — Present

Tricentis GmbH | Vienna, Austria

- Directing **ISO 27001 and SOC 2 Type 2** certifications for enterprise cloud products.
- Architected global Vulnerability Management Systems (VMS) using **Strobes** and **DefectDojo**.
- Orchestrated enterprise-wide secret detection and remediation via **GitGuardian**.
- Integrated **SAST/SCA** (Snyk) and **DAST** (Akto, Burp Suite) into release pipelines.
- Implementing **Agentic Pentesting** (Shannon, CAI, Strix) with local LLMs for autonomous discovery.
- Conducting LLM security testing using **garak, pyrit, and promptfoo**.
- Enforced company-wide **CSPM** using **Aqua Security** and **Aikido**.

#### SECURITY ENGINEER

Mar 2019 — Feb 2022

Hutchison Drei Austria GmbH | Vienna, Austria

- Contributed in creation and maintenance of **ISMS for ISO 27001** certification of the company.
- Performing internal penetration tests on apps, websites and networks of Hutchison Drei Austria and its subsidiaries.
- Provide automated security tools and guidance to product teams and help them integrate in **CI/CD pipelines**.
- Performing regular vulnerability Scans for internal and external assets.
- Monitoring networks to identify security breaches and mitigate such incidents using our **Security Operation Center (SOC)**.

#### QA AUTOMATION SPECIALIST

Oct 2018 — Feb 2019

Shpock (finderly GmbH & Co.) | Vienna, Austria

- Creation of a fully automated cross platform environment using **Selenium IO, Appium** and **Puppeteer** using **NodeJS** with continuous integration using **Jenkins**.
- Creating and Executing Performance Test plan using **Jmeter** with Selenium plugin using **Flood IO**.
- Creation of Proof Of Concept for **Cypress** and **Travis CI** for front-end automation.

#### SOFTWARE DEVELOPMENT ENGINEER IN TEST

Jul 2016 — Oct 2018

Tracelink India Pvt. Ltd. | Mumbai, India

- Creation of Automation Module for Tracelink Inc using **Scala** over **JAVA, TestNG, Web-Services** and **Selenium**, using Bitbucket as repository.
- Automated the Data Entry Process from Physical PDFs using **pytesseract**.
- Creating "Functional Requirements" and Tests from Stories in "Pivotal" to manage test campaigns.
- Working on effective testing of **AWS DynamoDB** and its interaction of APIs with **Lift Framework**.
- Automation of Feeds dropped on Servers (**Habari**) and inter-conversion of Maps into various formats.

## SENIOR TECHNICAL ASSOCIATE

Feb 2015 — Jun 2016

Avaya | Pune, India

- Maintenance of QC and regression campaign. Driving improvements in unit testing coverage and developing test suites for enhancements.
- Working closely with feature teams to collect the right data and its utilization in decision making and delegation.
- Creation of cross platform end to end automation framework for testing **VOIP based products**.

## VALIDATION ENGINEER

Nov 2012 — Feb 2015

Sela Technology Pvt Ltd | Pune, India

- Creation of Test Specification and Test Cases for **Global Platform Messaging**.
- Creation of testing tool for updating non regression tests using reverse **XML parsing using JAVA**.

## LEADERSHIP & COMMUNITY

**Founder:** Founder of **DEF CON Group Vienna (DC431)**.

Leading a community of security professionals: [DC431 Official Forum](#).

**Content Creator:** Maintain a [YouTube Channel](#) and technical lab at [nigamelastic.com](#), sharing deep-dives and research.

**Team Player:** Active member of global **CTF teams**. Writeups: [github.com/nigamelastic/writeups](#).

## TECHNICAL IMPACT

**Open Source:** Active contributor to official **Kali Linux documentation** and **ProjectDiscovery** bug bounty programs.

**Tool Development:** Author of **XSSATTackerPuppeteer**, an automated tool for high-efficiency XSS assessment. research archive: [Technical Writeups](#).

**Engagement:** Regular participant in international hackathons and OWASP community meetups.

## EDUCATION

**B.E. in Computer Science**

Rajiv Gandhi Technical University | 2008 — 2012

## LANGUAGES

English	Full Professional
Hindi	Native
German	A1—A2

## TECHNICAL ARSENAL

### AI SECURITY & PENTESTING

Shannon CAI Strix garak pyrit promptfoo

Local LLMs

### CSPM & CLOUD

Aqua Security Aikido AWS GCP Azure

Kubernetes

### APPSEC & DEVSECOPS

Snyk Akto GitGuardian Burp Suite Checkmarx

### OFFENSIVE SECURITY

Frida Ghidra Metasploit Nmap SQLMap Shodan

MobSF

### COMPLIANCE & VMS

ISO 27001 SOC 2 Strobes DefectDojo

Active Directory

### LANGUAGES

Python Node.js Scala Java Bash Elasticsearch