

# Guy Ziv

Software Engineer | Linux Expert

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## Professional Summary

Experienced software engineer with expertise in Linux, automation, and system-level debugging. Designed scalable tools used across global enterprise teams and served as the go-to expert for complex production issues. Strong background in Python, Bash, and cross-team collaboration, with a focus on streamlining workflows and improving engineering efficiency.

## Technical Skills

Languages & Scripting: Python, Bash, SQL, Perl

OS & Infrastructure: Linux (expert), Windows Server, IaaS

Automation & CI/CD: GitHub Actions, custom tooling

Data Handling: SQL, REST APIs

## Work Experience

2021 - Present     **Intel – Software Engineer**

- Designed, developed and maintained **Python**-based **OOP** features for a scalable Big Data collection system used in ML regression reduction — adopted by **hundreds of developers globally**
- ✓ **Recognized** with departmental **award** for the project's significant impact
- Led **CI/CD integration** with **GitHub actions**, built highly available self-hosted GitHub Runners infrastructure to improve automation scalability and reliability
- Implemented **automated testing** and robust code review processes to ensure high-quality software delivery
- Initiated, designed, and developed a **multi-component automation tool** (Python, PowerShell, Inno Setup GUI) for installing and customizing a VS Code Generative AI extension, transforming a complex, multi-step process into a seamless one-step
- **Proactively delivered** automation and infrastructure solutions **beyond core responsibilities**, improving code quality, debugging efficiency, and system monitoring across teams
- Owned the **debugging of complex Linux production environments** for global development teams, integrating systems with Hadoop, SQL, and REST APIs, and investigating unfamiliar flows using diverse tools - from Splunk for visualization to strace for system call tracing
- Acted as a **go-to Linux expert**, delivering continuous support and troubleshooting for development teams

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## 2016 - 2021      **Intel – Design Automation Engineer**

- Supported design engineers working in **Linux**-based environments
- Developed and integrated automation scripts in Python, Perl, and Bash to automate workflows and **troubleshoot complex development setups**
- Worked with SCMs including Git, SVN, and Perforce
- Collaborated with cross-functional teams: Design, Development, Verification, and IT

## 2013 - 2016      **OMC – Linux & Windows System Administrator**

- **Rapidly promoted** from helpdesk to **cloud** department due to strong technical performance and a drive to tackle the most complex infrastructure challenges.
- **Deployed and managed** clustered **IaaS** servers using **VMware ESXi**
- **Administered** a wide range of critical infrastructure services, including Apache, Nginx, IIS, load balancers, databases, mail servers, VPNs, firewalls, DNS, DHCP, backups, SSL certificates, ModSecurity, and Active Directory
- Performed advanced **network troubleshooting**, including DNS and VPN issues, packet analysis with tcpdump, email and domain debugging
- Investigated website compromises via log analysis and backdoor detection, applying mitigation and **hardening** aligned with industry security standards.
- **Designed and implemented** robust, reliable, and efficient **Bash**-based automation tools to streamline and stabilize critical infrastructure workflows
- Took **proactive ownership** of key processes, significantly reducing manual overhead and increasing uptime across environments

## Education

B.A in Computer Science - Systems & Applications, Open University

MCSE - Private Cloud (Full certification, graduated with **Honors**), John Bryce

## Languages

Hebrew – Native, English – Professional working proficiency