

Ephrem Daniel

Senior Ethical Hacker & Penetration Tester

SUMMARY

- Software engineer with 17 years of experience in full-stack development, specializing in Python, Java, C#, JavaScript, and frameworks like Laravel, Django, Zend, and ASP.NET Core.
- Strong engineering foundation with multiple Bachelor degrees in Media Engineering, Civil Engineering, and Information Technology.
- Proficient in SDLC, Agile methodologies, and software development best practices, delivering scalable web, desktop, and mobile applications.
- Expertise in CMS platforms (Drupal, Joomla, WordPress, Magento) and API integration, demonstrated by developing and managing e-commerce platforms from scratch.

TECHNICAL SKILLS

Main Technical Skills	Python (17 yr.), JavaScript (17 yr.), SQL (17 yr.), Hack (8 yr.), QA Automation (8 yr.)
AI Tools & Assistants	ChatGPT
Programming Languages	C#, Hack (8 yr.), Java (17 yr.), JavaScript (17 yr.), PHP (17 yr.), Python (17 yr.)
JavaScript Frameworks	Angular (17 yr.), Express (17 yr.), React (17 yr.)
.NET Platform	ASP.NET, ASP.NET Core Framework (17 yr.)
C++ Frameworks	Boost
C++ Libraries and Tools	C/C++/C# (17 yr.)
Python Frameworks	Django
Salesforce Ecosystem	Google Ads (14 yr.)
Social Media Marketing	Google Ads (14 yr.)
PHP Frameworks	Laravel (2 yr.), Zend (4 yr.)
Security	Burp Suite (8 yr.), Nessus (8 yr.), OWASP, Port Security, Security principles, SQLMap (8 yr.), Wireshark (8 yr.)
Data Analysis and Visualization Technologies	Google Analytics (14 yr.)
Databases & Management Systems / ORM	MS SQL Server Management Studio (14 yr.), MySQL (17 yr.), SQL (17 yr.)
	Ant Design (10 yr.), CSS (17 yr.), Foundation, HTML (17 yr.)

UI Frameworks, Libraries, and Browsers	
Amazon Web Services	Amazon Linux AMI (8 yr.)
Industry Domain Experience	e-commerce, Email marketing, Fintech, seo (14 yr.)
UI/UX/Wireframing	Adobe After Effects (10 yr.), Adobe Creative Suite (10 yr.), Adobe Illustrator (10 yr.), Adobe Photoshop (10 yr.), Adobe premier pro (10 yr.)
Methodologies, Paradigms and Patterns	Agile, SDLC
SDK / API and Integrations	API, Winforms (5 yr.)
Scripting and Command Line Interfaces	Bash (8 yr.), PowerShell (8 yr.)
Mail / Network Protocols / Data transfer	BGP (5 yr.), Cisco Routers, Cisco switches (5 yr.), DHCP (5 yr.), DNS (5 yr.), Firewalls, MPLS (5 yr.), OSPF (5 yr.), putty, STP (5 yr.), TCP/IP (5 yr.), TP-Link, VLAN (5 yr.), VPN
QA, Test Automation, Security	Burp Suite (8 yr.), Metasploit (8 yr.), Nessus (8 yr.), Nmap (8 yr.), Penetration testing, QA Automation (8 yr.), Wireshark (8 yr.)
Platforms	CMS, Drupal (14 yr.), Joomla (14 yr.), Magento, Magento 1 (14 yr.), Mobile App, WordPress (14 yr.)
Operating Systems	Linux (5 yr.)
Logging and Monitoring	Nagios
Virtualization, Containers and Orchestration	Oracle VM VirtualBox (5 yr.), VmWare (5 yr.)
Third Party Tools / IDEs / SDK / Services	Visual Studio (12 yr.)
Web/App Servers, Middleware	Windows Server
Other Technical Skills	ACLs, Cisco IOS (5 yr.), Computer Networking, Core, Cubase (12 yr.), Desktop, Digital Marketing, Hardware, Kali Linux, Marketing Automation, Monitoring, PPC (14 yr.), Predictive Analytics, Reason (12 yr.), Reduce, Reports, Scripting, Social Media Management, Software Development, Solarwinds, Web App, Web Applications

WORK EXPERIENCE

Ethical Hacker - NGOs & Fintech Companies (Ethical Hacking and Penetration Testing)

Duration: January 2018 - Present

Summary: Conducting comprehensive security assessments including penetration testing of



networks, web applications, mobile apps, and APIs for various NGOs and Fintech companies to identify vulnerabilities and reduce risk exposure.

Responsibilities:

- Perform network, web app, mobile app, and API penetration testing.
- Conduct vulnerability scanning and social engineering campaigns.
- Simulate real-world attacks and produce remediation reports.
- Automate reconnaissance and scanning workflows.
- Provide tailored security training sessions.

Technologies: Burp Suite Pro, Metasploit, Nmap, Wireshark, Kali Linux, Nessus, Sqlmap, Python, Bash, PowerShell, JavaScript, SQL, OWASP Top 10

Digital Marketing Specialist - NGOs & Other Companies (Digital Marketing & Social Media Management)

Duration: 2010 - 2024

Summary: Driving high-ROI campaigns across SEO, PPC, and social media channels to increase organic traffic, improve conversion rates, and boost brand awareness for various organizations.

Responsibilities:

- Manage SEO audits, content optimization, and link-building campaigns.
- Leverage Google Analytics for trend analysis and reporting.
- Execute comprehensive SEO strategies including technical, on-page, and off-page SEO.
- Manage paid social campaigns and email marketing.

Technologies: Google Analytics, Google Ads, Joomla, WordPress, Magento, Drupal, HTML, CSS, JavaScript, ChatGPT, Marketing Automation, Predictive Analytics

Network Engineer - NGOs & Other Organizations (Computer Networking Specialist)

Duration: 2015 - 2020

Summary: Designing, implementing, and maintaining LAN/WAN infrastructures for NGOs and other organizations to ensure robust network performance and security.

Responsibilities:

- Manage day-to-day LAN/WAN operations across multiple locations.
- Configure and maintain Cisco routers, switches, and firewalls.
- Troubleshoot network connectivity and performance issues.
- Implement proactive monitoring and hardware upgrades.

Technologies: TCP/IP, OSPF, BGP, MPLS, VLAN, STP, DHCP, DNS, Cisco Routers & Switches, Access Points, D-Link, TP-Link, Wireshark, SolarWinds, Nagios, Nmap, Putty, VPN, ACLs, Port Security, VMware, VirtualBox, Linux, Windows Server, Cisco IOS

Graphic Designer - NGOs & Other Companies (Graphic Design Projects)

Duration: 2010 - 2020

Summary: Producing engaging visual content for digital and print media including branding, UI/UX design, and marketing collateral for various organizations.

Responsibilities:

- Redesign organization branding strategies.
- Design social media assets, email templates, and landing pages.
- Produce print marketing materials such as brochures, banners, and posters.



Technologies: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Print Production, Pre-press, AI Image Generation tools

Videographer - NGOs & Other Companies (Video Production Projects)

Duration: 2010 - 2020

Summary: Producing high-quality video content from concept to post-production for commercial, corporate, and social media platforms.

Responsibilities:

- Produce, shoot, and edit commercial video content.
- Develop storyboards and scripts in collaboration with creative teams.
- Manage lighting, audio recording, and camera operation for interviews and product launches.

Technologies: Adobe Premiere Pro, After Effects, Adobe Photoshop, Color Grading, Various Camera Equipment, Cinematography, Studio Lighting, Audio/Video Recording

Author (Tizikt Book)

Duration: 2022

Summary:

- Author of 'Tizikt', a book presenting original philosophies on politics, economics, science, religion, and life, encouraging readers to question their belief systems
- The book is available in softcopy on Amazon

Application Developer - NGOs, Construction and Entertainment Companies (Programming & Development of Websites / Desktop Applications / Mobile Apps)

Duration: 2005 - 2022

Summary: Developed web and application (ERP) solutions for NGOs, restaurants, entertainment, and construction businesses to solve real-world problems.

Responsibilities:

- Develop websites, desktop applications, and mobile apps.
- Build personal projects addressing client needs.

Technologies: Python, Java, SQL, C, C++, C#, HTML, PHP, JavaScript, CSS, React, Express, Angular, MySQL, ASP.NET Core, Drupal, Joomla, WordPress, Magento, Zend, Laravel, Django

Creative Producer - Atom.com (Creative Digital Content Creation & Design)

Duration: 2018 - 2020

Summary:

- Created digital content including brand ideas and logo designs for Atom
- com, a crowdsourcing platform connecting entrepreneurs and companies with domain owners

Responsibilities:

- Suggest brand ideas and design logos.
- Participate in contests and creative projects on the platform.



Hardware Specialist - NGOs & Other Companies (Hardware Maintenance & Support)

Duration: 2010 - 2020

Summary: Provided system design, component installation, and advanced troubleshooting to optimize hardware performance and reduce system downtime.

Responsibilities:

- Install, configure, and maintain workstations and servers.
- Perform proactive diagnostics and rapid hardware troubleshooting.
- Upgrade legacy systems and collaborate with software teams.
- Diagnose and repair complex hardware issues.
- Assemble and test new computer components.

Technologies: Server/Printer Maintenance, Desktop/Laptop Repair, Multimeters, Windows, Linux, MacOS, Cisco Routers, Switches, TCP/IP, Firewall Configuration

Music Producer - MyInstrumentalMusic.com (Music Production)

Duration: 2008 - 2020

Summary: Produced, recorded, and mixed tracks for artists across various genres, managing end-to-end music production and audio engineering processes.

Responsibilities:

- Produce, mix, and master music tracks.
- Manage recording sessions and collaborate with songwriters.
- Perform sound design and audio editing.

Technologies: Cubase, Reason, FL Studio, Waves Bundle, FabFilter, Native Instruments, UAD, MIDI Programming, Audio Engineering Techniques

Developer / Owner - MyMasero.com (MyMasero.com Ecommerce Website)

Duration: 2015 - 2017

Summary:

- Developed and owned MyMasero
- com, an e-commerce platform facilitating buying and selling for Ethiopian businesses and consumers, offering a superior shopping experience with multiple product categories

Responsibilities:

- Develop the website from scratch using Laravel Framework.
- Manage e-commerce operations and customer experience.

Technologies: Laravel Framework

Developer / Owner - MyInstrumentalMusic.com (MyInstrumentalMusic.com Instrumental Music Buying & Selling Website)

Duration: 2012 - 2016

Summary:

- Developed and owned MyInstrumentalMusic
- com, a platform for musicians and producers to showcase and sell instrumental music online, incorporating SEO strategies and payment integration



Responsibilities:

- Develop the website from scratch using Zend Framework.
- Implement website analytics, SEO, and PayPal API integration.

Technologies: Zend Framework, Google Analytics, SEO, PayPal API

EDUCATION

- **Metropolia University of Applied Sciences**
Bachelor of Engineering, Media Engineering
August 2005 - August 2011
- **Addis Ababa University (AAU)**
Bachelor of Engineering, Civil Engineering
January 2003 - January 2005
- **African Virtual University**
Bachelor of Engineering, Information Technology
January 2003 - January 2005
- **Jimma University**
Bachelor of Engineering, General Studies
January 2001 - January 2002

