

HUZAIFA KHALID

Senior Software Engineer | Cybersecurity Analyst

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PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer and Cybersecurity Analyst with 5 years delivering secure, scalable B2B and B2C SaaS products across React/TypeScript and NestJS/Node.js stacks. Hands-on experience building microservices, RESTful APIs, and AI-driven pipelines, combined with practical cybersecurity skills spanning SIEM monitoring, incident response (NIST SP 800-61), MITRE ATT&CK mapping, vulnerability management, and compliance with NIST, PCI DSS, and PIPEDA. Proven record of shipping production-grade features while implementing secure SDLC practices and defending real-world environments.

TECHNICAL SKILLS

Frontend: React, Angular, Next.js, TypeScript, JavaScript ES6+, HTML5, CSS3, SCSS, Tailwind CSS, Material UI, Bootstrap, Redux

Backend & APIs: NestJS, Node.js, RESTful API Design, Microservices Architecture, Sequelize ORM, Python

Databases: PostgreSQL, MySQL, MongoDB, Schema Design, Query Optimization, Relational Data Modeling

Cloud & DevOps: AWS (EC2, S3, RDS), CI/CD Pipelines, GitHub Actions, Docker, DevOps Automation

AI & LLM: Model Context Protocol (MCP), Retrieval-Augmented Generation (RAG), Vector Databases, AI-driven Pipelines, GitHub Copilot, Amazon Code Whisperer, LLM Integration

Security Monitoring: Splunk (SIEM), Log Analysis, Threat Intelligence Integration, Alert Triage, Wireshark, Malware Analysis, EDR

Security Operations: Incident Response, Forensic Timeline Analysis, MITRE ATT&CK TTP Mapping, IDS/IPS, Firewall Management, Endpoint Protection

Vulnerability Management: Nessus, Metasploit, MITRE Caldera, Penetration Testing, Security Risk Assessment, Cyber Kill Chain

Access & Identity: RBAC, Least Privilege, IAM, Active Directory, Zero Trust Architecture

Compliance & Frameworks: NIST CSF/RMF/SP 800-61, PCI DSS, PIPEDA, HIPAA, PHIPA, ISO 27001, CIS Controls

Testing: Jest, Mocha, Unit Testing, Integration Testing, Test-Driven Development

Tools: Git, Jira, Slack, Azure DevOps, Notion, ClickUp, Agile/Scrum

WORK EXPERIENCE

Cybersecurity Analyst

May 2026 – Present

Vosyn · Contract Part-time | Etobicoke, ON · Hybrid

- Monitor and analyze security systems, networks, and SaaS applications in real time to detect and mitigate threats across enterprise environments.
- Conduct vulnerability assessments and penetration tests using Nessus and Metasploit to identify, prioritize, and resolve security weaknesses before exploitation.
- Investigate and respond to cybersecurity incidents including root cause analysis, containment, and implementing permanent remediation solutions aligned with NIST SP 800-61.
- Implement and manage security tools including firewalls, IDS/IPS, and endpoint protection platforms to strengthen organizational security posture.
- Develop and maintain security policies, procedures, and documentation aligned with NIST, ISO 27001, and PIPEDA compliance requirements.
- Provide cybersecurity awareness training to employees on threat prevention best practices and evolving attack vectors.
- Communicate security findings and technical decisions clearly to cross-functional stakeholders and leadership, enabling risk-informed decision making.

Software Engineer & Application Support Engineer

July 2024 – February 2026

TenX (Agrilift) | Connecticut, USA · Remote

- Engineered Angular-based enterprise features and real-time analytics modules with Node.js, boosting platform responsiveness by 35% and improving operational visibility across 5 large-scale client applications.
- Designed reusable, secure frontend modules for enterprise clients including HBL and BAT, reducing delivery timelines by 25% and enhancing maintainability across deployments.
- Directed L1–L2 application support pipeline, executing SQL queries and validating true-positive bugs, reducing false escalations by 35% and accelerating incident resolution.
- Led a 3-member frontend team delivering production-ready maps and visualization components with secure backend API integration; earned Excellence Award 2025 for outstanding platform contributions.
- Implemented software security requirements and participated in peer code reviews to maintain code quality and adhere to engineering best practices.

Frontend Developer

August 2023 – July 2024

Devsinc | California, USA · Remote

- Delivered cross-platform React and React Native social app with responsive TypeScript UIs, cutting redundant code by 40% and increasing mobile retention by 30% across 50+ device configurations.
- Integrated AI-driven recommendation engine, increasing personalized engagement by 45%; implemented secure data handling and integrity controls across real-time interactions.
- Built real-time matchmaking pipeline with backend teams using NestJS and Node.js, reducing latency by 35% and maintaining 99.9% data integrity during live concurrent sessions.
- Wrote unit tests using Jest ensuring consistent code quality across frontend components and RESTful API endpoints.

Associate Software Engineer – Software Engineer

March 2022 – July 2023

OnyxTec | Pakistan

- Developed SocialSquad SaaS event platform with real-time notifications and group chat using MERN stack, boosting user coordination efficiency by 40% and scaling to 50k+ concurrent users.
- Optimized backend services using MySQL and Sequelize ORM, achieving 99.9% data integrity and improving query performance by 40% in high-volume production environments.
- Implemented e-commerce application with integrated payment APIs, streamlining backend logic and reducing transaction errors by 25%; recognized with Best Employee Award 2022.
- Built reusable React component libraries and collaborated across teams to implement RESTful API integrations for FeedBear and My Local Gun Shop platforms.

PROJECTS

Farmlink – Senior Frontend Developer

- Architected reusable Angular components with .NET API, Mapbox GL, and Google Analytics integration, boosting real-time agricultural insights accuracy by 33% for enterprise clients; accelerated delivery cycles by 30%.

Outreside – Full Stack Developer

- Built React frontend and Node.js backend for Swiss e-commerce platform; integrated WordPress headless CMS with REST APIs, reducing redeployment cycles by 25% and improving performance by 30%.

FeedBear – Frontend Developer

- Developed SaaS feedback platform using React and Redux with Ruby on Rails API integration, boosting submission engagement by 32% and raising feedback resolution speed by 27%.

SOC Design & Incident Response – TD Bank Simulation

- Designed 24/7 SOC architecture (Tier 1–3 analysts) integrating Threat Intelligence and Incident Response functions; simulated LockBit ransomware lifecycle using NIST SP 800-61 phases, identifying 18 indicators of compromise.
- Correlated SIEM, EDR, and authentication logs to reconstruct the full attack timeline; mapped adversary TTPs to MITRE ATT&CK and developed response playbooks aligned with PCI DSS and PIPEDA.

Cyber Range Lock Jam Risk Simulation Exercise

- Investigated Black Basta ransomware double-extortion scenario; validated IoCs and analyzed adversary TTPs under live incident conditions, producing SITREP reports and executive briefings.

Security Architecture Design – Health First Medical Clinic

- Assessed vulnerabilities (MFA gaps, flat network, legacy protocols); mapped risks to NIST CSF, CIS Controls, HIPAA, and PHIPA. Implemented Zero Trust segmentation, 6-zone IAM-controlled network, and ransomware-resilient backup strategy.

ML-Based Intrusion Detection System (IDS)

- Analyzed CIC-IDS2017 dataset (200K+ records) detecting DDoS, Botnet, and Heartbleed attacks using KNN, Naive Bayes, and Decision Tree algorithms achieving 99.99% accuracy; optimized feature selection to minimize false positives.

EDUCATION

Master of Cybersecurity

Toronto Metropolitan University, Toronto, Canada | **GPA: 4.0**

Bachelor of Science in Computer Science

Government College University

CERTIFICATIONS

- Splunk: A SIEM Tool – ThinkCloudly
- SOC Analysts: A SIEM Tool – ThinkCloudly
- ISC2 Candidate