

Zev Kaplan

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Professional Summary

Experienced software engineer with a history of leading development teams and designing, implementing, and delivering robust, scalable software solutions. Proficient in multiple programming languages and technologies, with expertise in data analysis, machine learning, and predictive modeling to solve complex problems and drive data-driven decision-making. A self-motivated and dedicated team player with excellent communication skills, committed to delivering high-quality, data-centric solutions that exceed project expectations.

Experiences

Company: Geeker

Location: Hybrid

Job Title: Manager of Development and IT

From: 07/2024 **To:** 09/2024

Summary of Duties: Oversaw the planning, execution, and delivery of software development projects, ensuring IT infrastructure aligned with organizational goals. Lead cross-functional teams, managed budgets, and implemented best practices to drive innovation and operational efficiency. Utilized strong technical expertise and leadership skills to manage multiple projects simultaneously.

- **Programming/Scripting Languages:** *Python*, ReactJS
- **Databases:** PostgreSQL, and MongoDB
- **Repo Management/Agile Tools:** GitHub, Notion, Jira, Asana, SharePoint
- **Cloud:** AWS (S3, Lambda, Secrets Manager, RDS, and VPC), GCP (Compute engine, VPC)
- **Documentation:** Draw.io, UML, Visio, Notion
- **Other:** Docker, LowCoder

Company: Multiple

Location: Remote

Job Title: Freelance Software Engineer (Contracts)

From: 03/2023 **To:** 07/2024

Summary of Duties: Gathered requirements, designed, planned, researched, and implemented projects (end-to-end) for multiple clients. Clients are in financial, medical, and tech startup industries.

- **Programming/Scripting Languages:** *Python*, R, C#, Full Stack (HTML, CSS, JS, React, Vue, Svelte, HTMX), SQL, BASH and Kotlin
- **Databases:** PostgreSQL, MongoDB, Oracle, and SQLite
- **Repo Management/Agile Tools:** GitLab, GitHub, Notion, Jira
- **Cloud:** AWS (S3, Lambda, Secrets Manager, RDS, and VPC)
- **Documentation:** Notion, UML, ClickUp, Zoho Suite, Confluence

- **AI:** Used Spacy, PyTorch, YOLOv8 and CV2 for NLP, OCR, and Object Detection (Python based). Utilized Multi-Regression models for data analysis.
- **Search:** Whoosh (Python Lib)
- **Other:** Tableau, Kubernetes, Docker

Company: Grier Forensics

Location: Owings Mills, Maryland

Job Title: Security Software Engineer (Hybrid, F/T)

From: 03/2021 **To:** 03/2023

Summary of Duties: Software Engineer responsible for designing, planning, researching, and implementing (end-to-end) security related multi-scale information systems for DoD projects (AFRL, USMC, MDA, and NGOs). Additionally, responsible for release (bug hunting, unit testing) and project life cycle management (devSecOps, peer reviewing code).

- **Programming/Scripting Languages:** Heavily developed with *Python*, Full Stack (HTML, CSS, JS, React, Svelte), SQL, C++, and scripted in Scala and BASH.
- **Databases:** Installed/Configured/Maintained/Queried – PostgreSQL, MySQL, MongoDB, and SQLite.
- **Repo Management/Agile Tools/SDLC:** Git, Jira, and Bitbucket (Atlassian Suite)
- **Documentation:** UML, and Confluence
- **DevOps:** Set up TeamCity for several projects. Configured Git pre-commit for projects.
- **Cloud:** Digital Ocean, AWS
- **AI:** Used Spacy, PyTorch, and CV2 for NLP, OCR, and Object Detection (Python based)
- **Search:** Whoosh (Python Lib) and Elastic Search
- **Distributed Computing:** Spark, Hadoop, Cassandra, Docker, and Kubernetes
- **Dashboards:** Kibana

Company: TAG (Technology Awareness Group)

Location: Lakewood, NJ

Job Title: Software Engineer and Researcher (Hybrid, F/T)

From: 09/2020 **To:** 02/2021

Summary of Duties: Team Lead of R&D, managed projects and team members. Set up Agile team environment, Repo Management, and devSecOps for all projects. Researched, designed, and implemented multi-scale information systems.

- **Programming Languages:** *Python*, Full Stack (HTML, CSS, JS), PHP
- **Databases:** MySQL, PostgreSQL
- **Servers:** Configured WAMP and LAMP servers.
- **Repo Management/Agile Tools:** GitHub, Zoho Suite, ClickUp
- **Containerization:** Set up/Configured/Deployed Docker
- **Documentation:** ClickUp, designed schematics using UML and Visio
- **Cloud:** Configured/Deployed/Maintained AWS (EC2, VPC)
- **Search:** Configured and Developed with Elastic Search

Company: CODING4KIDS @ HOME PROGRAM (Adaleg IT)

Location: Vaughan, Ontario

Job Title: Head of Older Division, Coding Instructor (Remote, P/T)

From: 09/2020 **To:** 08/2021

Summary of Duties: Responsible with managing instructors (hiring, on-boarding, and assigning to classes), creating and maintaining Python and Full Stack (HTML, CSS, JS) courses and course content, and teaching classes to middle and high school students.

Company: Aurora Cybersecurity

Job Title: Cybersecurity Consultant (Hybrid, F/T)

Location: Lakewood, NJ

From: 01/2019 **To:** 09/2020

Summary of Duties: Security Consultant for multiple clients. Created security policies and plans for enterprises, and conducted security audits, penetration tests, and maintenance of enterprise security posture.

- **Frameworks/Standards:** NIST SP 800 series, CISA Standards, NYS DFS, PCI DSS, HIPAA, GDPR, SOC2
- **Plans:** Disaster Recovery Plans/Business Continuity Plans, Security Plans and Procedures
- **System Configuration:** Setup multiple VPN technologies, Network Access Controls, SSH
- **DevSecOps:** Configured AWS, Atlassian Suite, and Docker pipelines
- **Scripting:** Setup backups, monitoring, and deployment automation using BASH, Power Shell, Python 2 (Legacy Systems), *Python 3*

Education

Degree: Masters of Science, Data Science

Institution: Bellevue, University

GPA: Currently 4.0

Courses:

- Introduction to Data Science (R)
- Introduction to Programming
- Statistics for Data Science (R)
- Data Exploration and Analysis
- Data Preparation
- Data Mining
- Predictive Analysis
- Data Presentation and Visualization
- Applied Data Science
- Big Data

Degree: Bachelors of Science, Cybersecurity

Institution: Bellevue, University

GPA: 4.0, Graduated with *summa cum laude*

Courses:

- Introduction to Cyber Threats and Technologies
- Cryptography
- Network Security
- Securing Access Controls
- Assessments and Audits
- Operational Security
- Operating Systems and Mobile Devices
- Web, Commerce, and Application Security
- Data/Database Security
- Cyber Investigations and Forensics
- Penetration Testing and Incident Response
- Advanced Cybersecurity Concepts

Licenses/Certifications

Title: Emergency Medical Technician (EMT)
Issuer: [Maryland] - MIEMSS

Issue Date: 10/17/2023
Expiration Date: 01/31/2027

Title: Emergency Medical Technician (EMT)
Issuer: State of New York Department of Health

Issue Date: 01/03/2023
Expiration Date: 01/31/2026

Title: BLS Provider
Issuer: American Heart Association
12/31/2025

Issue Date: 12/05/2021
Expiration Date:

Links

LinkedIn: <https://www.linkedin.com/in/zev-k/>
GitHub: <https://github.com/WolfCoder161>

Events/Training Attended

Event/Training Name: GFJC Seminar Series
Institution: Global Forensics and Justice Center, FIU

Event/Training Details: (Seminar, Date)

- Strengthening Florida's Digital Frontiers: Building Statewide Cybersecurity Resilience, 10/2023
- Psychological Biases as a Cause of Wrongful Conviction, 06/2023
- The Value of Digital Evidence in Combating Child Exploitation and Human Trafficking, 03/2023
- Who is Responsible for Science Communications?, 08/2022
- Efforts for Forensic Science Improvement in the United States, 04/2022

Event/Training Name: National Cyber Leagues Capture the Flag Events
Institution: National Cyber League

Event/Training Details: (CTF Name, Role)

- Spring 2021 Season, Team Captain – Team Cyber Wolves
- Fall 2020 Season, Team Captain – Team Cyber Wolves
- Spring 2020 Season, Team Captain – Team Cyber Wolves