

# Yahya Elnashef

716.848.0909 | [m.y.elnashef@gmail.com](mailto:m.y.elnashef@gmail.com) | Aliso Viejo, CA 92656 | [linkedin.com/in/yahyaelnashef](https://www.linkedin.com/in/yahyaelnashef)

*Drives business growth and efficiency by providing actionable data insights and building analytical and reporting frameworks.*

**Data Analysis | Business Intelligence Reporting | KPI Creation & Management | Data Visualization | Forecasting**

- **Automated Reporting Suite:** Cut data collection time by 80+% and presentation prep time by 100%, shortening Quarterly Business Reviews (QBRs) at Facebook, by automating the multiteam QBR reporting system and using data visualization tools.
- **Data-Informed Initiatives:** Amplified security and event teams' performance by 50% and projected event attendance at Facebook by building a predictive model; generated insightful security trends by defining and implementing impactful metrics.
- **Process Improvement:** Saved 300K+ work hours for a Google team in 2018 by automating malicious application detection and banning processes; identified malicious trends and put automated triggers in place using Yara and JavaScript and Python scripts.

## Professional Experience

**Business Operations Analyst II**, Milestone Technologies, Inc. | Contracted at Facebook

05/2019 – Present

Promoted to design and execute data-informed initiatives to improve operations and decision making of the Global Security Operations teams at Facebook; provided critical data insights by creating and monitoring key metrics and converting raw data into user-friendly and interactive presentations, reports, and dashboards. Optimized time management and helped executives prioritize critical tasks by designing, implementing, and supporting cutting-edge automation initiatives.

- Saved 450K+ work hours and consolidated the reporting landscape by automating 200+ reports; built data pipelines and automatically classified and pulled data into correct Tableau dashboard templates by writing JS and Python automation scripts.
- Eliminated the 1-hour escalation response time by automating the triage process; automatically notified the relevant global team based on time and region by creating bot triggers. Ensured data privacy by enabling correct user access and authorization.
- Augmented business security by creating 35 new and updating 50 risk mitigation processes after building a risk model; assessed risk impact and probability and the effectiveness of preventative controls; prioritized mitigation efforts by scoring risks.
- Predicted event costs and improved decision making by defining and visualizing key insights; automated event classification by implementing a CRUD-based application and centralizing data; created user guides on tool use.
- Accelerated project delivery, enhanced capacity, increased analyst engagement, and boosted stakeholder visibility into team performance by implementing an Agile model. Onboarded 3 new team members after enhancing scope.
- Seamlessly migrated security data from a legacy SQL database to a new in-house, integrated NoSQL tool; cleaned, converted, migrated, and presented data in dashboards without losing data capabilities.
- *"He was a guru on driving metrics and aiding leadership's decision making with data. He helped create processes and tools necessary to support automated Quarterly Business Review reporting."* – Joshua Bartke, Global Security Director, Facebook.

**Product Manager**, Dokkanz

01/2018 – 04/2019

Ensured on-time code and feature delivery for iOS and Android applications by overseeing 5 distributed software development and support teams; served as a liaison between business and technical stakeholders. Elevated user experiences by mitigating bugs in close collaboration with QA teams and beta users. Optimized database designs and saved time by reusing the code based on data structure and object-oriented programming principles.

- Facilitated seamless workflow and collaboration among remote teams by using APIs; managing sprints; prioritizing tasks; and using advanced tools such as Jira, Asana, GitHub, Git Server, Google Hangouts, and Slack.

**Data Analyst**, Accenture | Contracted at Google

04/2017 – 03/2019

Strengthened user and data security as part of Google's Safety and Trust - Safe Browsing team; identified malicious patterns in iOS, Windows, and Android applications by leveraging expertise in quantitative analysis, machine learning, data mining, and data visualization methods. Improved business operations and bridged security gaps after updating security policies and fixing product flaws in collaboration with legal, engineering, and sales teams.

- Protected users by reducing payment fraud on Google Play and other applications by 10%; mapped out signal- and trigger-based investigative and payment recovery processes for the security team.
- Optimized database functionality, delivered additional data insights, and ensured data security by optimizing SQL scripts and consolidating data pipelines into a single data source.
- Drove transparency into the performance of the malware detection system by conducting a malware root-cause analysis and defining and monitoring detection KPIs.

---

## Professional Development

MIT x MicroMasters of Science in Statistics & Data Science, edX	2020
Python Bootcamp, Udemy	2019
SQL Bootcamp, Udemy	2019
Front-End Web Developer Nanodegree, Udacity	2018
Degree Program: Computer Science, SJSU Open University	2018
• <i>Coursework:</i> Data Structures, Algorithms, Computer Architecture, Object-Oriented Design, Object-Oriented Programming, SQL, NoSQL Database systems, and Computer Network Management.	
Bachelors of Science in Digital Design & Animation, Arena Animation Academy	2012

---

## Technical Skills

**Key Skills:** Scalable Data Pipeline Development, Technical Project Management, Quantitative Analysis, Machine Learning, Database Management & Interrogation, Agile Frameworks, Data Mining, Automation Design & Development, Cross-Functional Collaboration.

**Languages, OS, & Databases:** Python, HTML, JavaScript, CSS, Java, SQL, C++, Linux, Windows, iOS.

**Technologies:** Asana, Jira, Slack, Google Suite, MS Office, Tableau, Git Hub, Git Server, Yara, Salesforce, Google Data Studio.