Senior Software Engineer

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**Summary**

* **10+ years** of experience as a **Senior Software Engineer** at **global tech companies** specializing in **system architecture, data infrastructure,** and **scalable cloud solutions**
* Proficient in **Node.js, TypeScript, Python, Java,** and experienced with **backend microservices, ETL systems**, and **real-time data processing**
* Strong expertise in **cloud infrastructure (AWS),** system architecture, and **scalable data pipelines** using **Elasticsearch, Redis, MongoDB, Postgres, Redshift**, and **S3 Data Lakes**
* Experienced in **Agile** methodologies, **cross-functional collaboration** with Product Managers and C-level executives.
* Proven track record of delivering **significant cost reductions (~30%)**, **performance optimization**, and **scalable solutions** for high-volume data systems
* **B.Sc. Computer Science** - College of Management Academic Studies, **Graduated with Honors**

**Professional Experience**

2022 - 2025 **Senior Backend Developer**, GeoEdge

* Designed and secured buy-in for a modular **Data Lake architecture** on **AWS** using **S3, Lambda,** and **Glue**, presenting the technical design to the **CEO** and **Product Management,** and achieving significant **Elasticsearch** cost reductions
* **Developed NestJS microservices** and **Serverless Lambda functions** using **NodeJS** and **TypeScript**, with automated Dockerization and **CI/CD integration** via **NX monorepo**, enabling rapid deployment of data transformations and **REST APIs**
* **Designed** and **built a real-time aggregation system** using **Redis** and **AWS Lambdas** as a cost-effective alternative to time-series databases, providing **configurable alerts** and **observability** while working within budget constraints
* **Optimized ad categorization algorithms** using **Set Cover logic** with **NodeJS** for **real-time ad blocking**, achieving **~30% cost reduction** while maintaining performance standards
* **Automated Jenkins Docker builds** with **Groovy** for **NX monorepo** deployments, streamlining **Kubernetes** and **Serverless** deployment workflows
* **Participated in C-level executive meetings** and **collaborated with Product Managers** to align technical initiatives with business objectives

2019 - 2022 **Senior Software Engineer**, Cappsool Technologies

* **Led system architecture modernization** as the sole senior engineer on a team with frontend-focused developers, **profiling and documenting the entire AWS infrastructure**, operational systems, and network topology to create a comprehensive system understanding
* **Redesigned and replaced legacy job management system** by migrating from basic **NodeJS interval-based scheduler** to **Apache Airflow**, enabling **task dependencies**, **parallelism**, **observability**, and **visualization** while maintaining existing **NodeJS** codebase through command-line operators
* **Architected and implemented scalable data infrastructure** using **MongoDB**, **AWS Redshift**, **S3**, and **DynamoDB**, designing and building **ETL pipelines** for B2B marketing data processing
* **Established comprehensive AWS cloud topology** including **CloudFront CDN**, **Application Load Balancers (ALB)**, **SSL/TLS certificates (ACM)**, and security configurations for high-traffic comparison websites
* **Built Data Lake architecture** using **AWS Athena** with **Glue catalog** over **S3 tables**, optimizing data accessibility and query performance for analytics workflows
* **Managed cybersecurity incident response** for top-10 style comparison websites, collaborating with security teams to analyze and mitigate attacks while maintaining system availability
* **Led code refactoring initiatives** and **knowledge sharing** across the development team, establishing documentation standards, and training junior developers on system architecture

2013 - 2019 **Senior Backend Developer**, Comm-IT

* **Developed backend solutions for B2B strategic clients** across diverse industries (advertising, insurance, cybersecurity, military), planning and delivering **custom software architectures** aligned with client requirements
* Built **enterprise applications** using **Java ecosystem,** including **Spring/Spring Boot**, **JBoss/Wildfly**, **Hibernate**, **Maven**, **Jetty**, and **Tomcat**, with additional development in **Python**
* Promoted from Backend Developer to Senior Backend Developer (2013-2015), demonstrating technical growth and project leadership capabilities

2010 - 2013 **Java Developer**, Amdocs

**Tools & Technologies**

**Languages:** Node.js, Python, TypeScript | OS: Windows, Linux, Mac

**Frameworks & APIs:** Airflow, Mongoose, Spring, Docker, Kubernetes, Serverless, NestJS

**Cloud & Servers:** AWS, Azure, JBoss/Wildfly, Tomcat, Jetty, Undertow, vCloud

**DB:** ElasticSearch, MySQL, MS-SQL, MongoDB, Oracle SQL, GraphDB/Neo4J, Redshift, S3, PostgreSQL, Athena

**Software Tools:** Jenkins, Git, Maven, AMQ, BitBucket | Methodologies: Agile, Scrum, Flexible R&D

**Education**

2007 - 2010 **B.Sc. in Computer Science**, College of Management Academic Studies.

* Graduated with Honors

**Languages**

**Hebrew** – Native | **English** – Fluent