Yefim Shneyderman

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Sr. software engineer with a passion for technology and solving complex problems with software. Experienced in cloud technology and building secure microservices systems. Master's degree in computer science with a background in finance and mathematics.

Work Experience

Nasdaq *Boston, MA*
Sr. Software Developer Apr. 2023-Present
- Built audit system for the Digital Assets team to keep and search records of all business events in the system
- Designed and implemented integrations with financial regulatory compliance system
- Worked on architecture and infrastructure of microservices based system in AWS and Kubernetes
- Contributed to system security, high availability, resiliency, performance, and observability
  - Worked on CI/CD pipelines and deployment strategies that would ensure high availability and failover/disaster recovery scenarios
- Participated in threat modeling exercise with infosec team to diagram and evaluate system security
- Developed monitoring dashboards and automated alerting, installed and configured logging and metrics collection and ingestion setup, and participated in on-call rotation

Software Developer Jul. 2021-Mar. 2023
- Created data ingestion pipeline for Nasdaq market performance data into GCP and analyzed and reported trends
- Updated and maintained message decoders and developed scripts to automate the process for future markets and updates
- Mentored and managed intern projects in Digital Assets and Record Linkage

Full Stack Software Engineering Intern Jun. 2020-Aug. 2020
- Created Secure Multiparty Compute / Homomorphic Encryption proof of concept project with Nasdaq Boston Innovation Lab
- Presented the project to Nasdaq Executives for evaluation on business promise and profitability for multiple use cases

Indigo Ag *Charlestown, MA*
Laboratories & Facilities Intern / Independent Contractor Jun. 2018-Jun. 2021
- Collaborated with environmental health and safety consultants, and managers to create educational multimedia content for Indigo's online safety training site. Launched the platform to track user progress and ensure OSHA compliance
- Used technology skills to work on projects regarding office security, training employees, asset tracking, seating, etc.
- Created pages, filters, maps, graphics, and SOP's for a variety of tools used by the team including JIRA, OfficeSpace, Simpplr, SharePoint, and assisted in regular Lab & Facilities duties

Education

University of Massachusetts Amherst Jan. 2021-Dec. 2023
College of Information and Computer Science
- M.S. Computer Science
- Awards: Bay State Scholars Scholarship

University of Massachusetts Amherst Sep. 2017-Dec. 2020
College of Information and Computer Science, College of Natural Sciences
- B.S. Computer Science, Mathematical Computing
- Dean's List, Graduated Cum Laude

Skills

- **Languages**: Go, Python, Java, C/C++, JavaScript, Solidity
- **Skills**: Software Development, Microservices, Cloud, Architecture/Infrastructure CI/CD,, Machine Learning, Networking, Artificial Intelligence, Neural Networks, Blockchain, Infrastructure as Code, Documentation, Automated Testing, Logging and Metrics, Alerting, Project Management
- **Technologies**: AWS, Docker, Kubernetes, Google Cloud, Helm, Grafana, Loki, Prometheus, Terraform, Istio, REST, HTML, CSS, jQuery, Node.js, Express.js, Bitcoin, Ethereum, BigQuery, Matplotlib, scikit-learn, Pandas, Pytorch, NumPy, MongoDB, Mongoose, Mustache, PostgreSQL, SQL, Spring Boot, Flask, React
  - **AWS:** EC2, Load Balancers, EKS, S3, Cloudwatch, Cloudtrail, Kinesis/Firehose, DynamoDB, Aurora, RDS, Lambda, IAM
- **Tools**: ThoughtSpot, DataStudio, Looker, Confluence, Corvil, JIRA, git, GitLab, K9s, Lens, VSCode, Eclipse, Pycharm, IntelliJ, Adobe Creative Cloud, Microsoft Office, Figma, GitHub Copilot