

BRANISLAV TODOROVIC

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SUMMARY

As an accomplished and versatile Software Engineer, I bring expertise in designing and implementing RESTful APIs, integrating third-party services, and optimizing application performance. Proficient in multiple technologies such as Golang, Java, Python, Javascript, and AWS. I have a proven track record of collaborating effectively with cross-functional teams to ensure seamless project execution. My commitment to adding significant value to any software engineering team makes me a valuable addition to any organization.

FETCH, Chicago, IL (Backend Software Engineer - Contract)

01/2023 – PRESENT

Part of the Agile team responsible for Fetch's digital receipt ingestion. Supporting and maintaining several backend systems written in Golang, Java, and Python and their related databases all deployed to the cloud on AWS. The system is currently processing more than 1 million digital receipts daily.

- Designed an efficient email classification system on AWS serverless technologies, utilizing SQS, Lambda, Sagemaker, and DynamoDB to classify over 2,000 emails per minute. Leveraging go-routines for parallel processing and real-time telemetry monitoring with Grafana and Hosted Graphite, the system provides efficient capture of endpoint timing metrics and error tracking, resulting in accurate and timely classification of emails.
- Spearheaded the development of a high-availability Golang microservice that provides 5 million daily active users access to data from our data lake via a public URL. Utilized complex analytical queries to retrieve hourly data from multiple Snowflake tables, ensuring accuracy and consistency. The microservice's innovative caching techniques protect the data lake from usage spikes and pre-cache data to ensure optimal sub-10ms latency, delivering high performance for our users. This service provided critical data to our mobile app and support teams, reducing customer support calls by 11% and significantly improving customer satisfaction.
- Implemented a privacy filter designed to identify and prevent Personal Identifiable Information (PII) from persisting in databases or logs, using Python and regular expressions to mask personal information such as emails and phone numbers. Ensured data privacy for 20 million monthly users and compliance with CCPA regulations.

DRIFT NET SECURITIES, Chicago, IL (Software Engineer)

06/2022 – 12/2022

As a key contributor to the development and maintenance of school security systems, I gained hands-on experience using cutting-edge technologies such as React, JavaScript, GraphQL, and DynamoDB to build and deploy high-performing full-stack solutions on AWS. By enabling efficient processing of student and visitor data on a daily basis across multiple schools, our systems played a vital role in creating a safe and secure environment.

- Co-developed a Visitor Management System using React.js, AWS, and DynamoDB to enhance safety and security through a database check system, optimizing system performance through extensive testing and optimization.
- Maintained strong communication with the stakeholders, including Product Managers, UX/UI Designers, and other engineering teams, through regular meetings and updates, resulting in smooth progress, roadblock removal, and a more cohesive team effort.

EDUCATION

- **Software Engineering Immersive | General Assembly | USA** 05/2022
Full-stack software engineering program focused on product development fundamentals, MVC frameworks, and team collaboration. Designed, built, and deployed complex web applications, gaining hands-on experience.
- **MS, IT Teaching | Faculty of Technical Sciences | Serbia** 05/2014

SKILLS

- **Languages** | Golang, Python, Java, JavaScript
- **Libraries and Frameworks** | React, Node, Django
- **Databases** | DynamoDB, MongoDB, SQL, GraphQL
- **Other** | Amazon Web Services (AWS), REST, JSON APIs, Git