BRANISLAV TODOROVIC

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SUMMARY

Experienced and adaptable Software Engineer with a proven track record in designing and implementing RESTful APIs, integrating third-party services, and optimizing application performance. Skilled in developing event-driven microservice-based systems, enhancing the scalability and responsiveness of applications. Proficient in collaborating effectively with cross-functional teams to ensure smooth project execution and delivering valuable contributions to organizations. Committed to bringing significant value to software engineering teams and driving innovation in the field.

SKILLS & CERTIFICATIONS

- **Languages |** Go, Python, Java, JavaScript
- **Libraries and Frameworks |** React.js, Node.js, Django,
- **Databases |** DynamoDB, MongoDB, PostgreSQL
- **Other |** API, Kafka, SNS / SQS, Jira
- **Amazon Web Services** | AWS Cloud Practitioner Certification (2025)

FETCH, Chicago, IL (**Backend Software Engineer - Contract**)   01/2023 – 07/2023

Part of the Agile team which developed and maintained Fetch's digital receipt ingestion system deployed on AWS, processing 1M+ digital receipts daily. Contributed to code reviews, design discussions, and optimization efforts, ensuring high system performance and scalability.

- **Designed and implemented an efficient email classification system on AWS** utilizing SQS, Lambda, Sagemaker, and DynamoDB. Successfully classified 2K+ emails per minute, reducing traffic and system load by 80%. Leveraged go-routines for parallel processing and real-time telemetry monitoring using Grafana and Hosted Graphite for capturing endpoint timing metrics and error tracking. This resulted in accurate and timely email classification, optimizing system resources, and enhancing overall performance.
- **Spearheaded the development of a high-availability Golang microservice that provides 5M+ daily active users access to data from the company's 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, reduced customer support calls by 13%, and significantly improved customer satisfaction.
- **Implemented a privacy filter to identify and prevent Personal Identifiable Information (PII)** from persisting in databases or logs, ensuring data privacy for 20M+ monthly users and CCPA compliance.

DRIFT NET SECURITIES, Chicago, IL (**Software Engineer**)   06/2022 – 12/2022

Deployed high-performing, cloud-based full-stack solutions that efficiently processed student and visitor data across multiple schools, ensuring a safe and secure environment.

- **Developed and deployed a Visitor Management System using React.js, Node.js, and DynamoDB** to enhance safety and security through a database check system and optimize performance.
- **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

- **Bachelor of Science, Computer Science** | Western Governors University | USA   **(**expected) 12/2023
- **Software Engineering Full-Stack Bootcamp** | General Assembly | USA   05/2022
- **Bachelor of Science, Information Technology** | Faculty of Technical Sciences | Serbia   05/2014