Vuk Svilaric

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WORK EXPERIENCE

Senior Backend Engineer, Tim Hortons Financial Services/ Payments, RBI   **Feb 2023 – Present**
- Architected the transaction workflow for the millions of credit card transactions for the Tims Financial Credit Card, overseeing backend architecture, frontend integration, and ongoing maintenance. Ensured high reliability and performance for real-time loyalty processing in a fast paced consumer environment
- Delivered Google Pay integration on the redesigned Gift Card Screen, enhancing mobile payment capabilities and user experience across platforms
- Currently resolving backend ledger system issues for Tim Hortons Loyalty Points, improving transactional accuracy and system scalability in a high-volume environment

Backend Software Engineer, Carfax   **Oct 2019 – May 2022**
- Spearheaded the transition of leads service from a monolith to a distributed AWS serverless microservice, enhancing scalability and maintainability
- Successfully integrated in-house Leads API with several third party OEM and dealer Lead Tracking systems streamlining lead management processes
- Developed a Facebook Marketplace chatbot that generates over 10,000 leads daily from 1,000,000+ Carfax listings contributing an estimated $26 million in additional yearly revenue to Carfax
- Ensured high availability of services with a robust multi-region disaster recovery failover and comprehensive full-suite integration tests

Software Engineer, API Management, Scotiabank   **Oct 2018 – Oct 2019**
- Lead developer for customized NodeJS based API Gateway for all Internal bank APIs
- Implemented custom cryptographic security solutions with JWT, JWS, JWE and mutual TLS
- Wrote performance critical code using multi-threaded NodeJS clustering
- Developed internet-facing API solutions using Apigee Edge policies and custom Java Callouts

Software Engineer Intern, IBM   **May 2016 – Aug 2017**
- New development and support for Websphere Application Server (WAS), supporting many banks around the world with support for On-Prem, Cloud, and lightweight (Liberty) versions of WAS
- Developed code for Java EE feature openapi-3.0 which exposes OpenAPI 3.0 and Swagger 2.0 APIs by scanning annotations of JAX-RS Java RESTful web applications
- Responsible for entire Build system of over 50 Virtual Machines for the entire XML Technologies component of Websphere Application Server

TECHNICAL SKILLS

Programming:
- NodeJS, Java, Typescript, Python, Kotlin, HTML, CSS, JavaScript, Groovy, C/C++, Bash, SQL

Tools/Methodologies
- AWS, GraphQL, Microservices, Serverless,, Terraform, Spring Boot, RabbitMQ, JUnit, Spock, Mocha, Elasticsearch, Git, Jenkins, Apigee Edge, Maven, Gradle, MongoDB, Docker, Kubernetes, REST, CI/CD, TDD, Agile, Scrum, PCF, Azure, GCP, Ruby on Rails

EDUCATION

Computer Engineering, University of Toronto   **May 2018**
- Bachelor of Applied Science – Focus in Software Engineering