Hilmi Abou-Saleh

403-991-7550 | hello@hilmi.org | Vancouver, BC

SUMMARY

Innovative Full-Stack Developer with over 5 years of experience in building and maintaining complex cloud applications. Expertise in AWS services, Java, TypeScript, and React, with a proven track record of leading engineering teams and delivering scalable software solutions. Passionate about leveraging cloud technologies to create efficient, high-performance solutions.

SKILLS

- **Languages**: Java, TypeScript, JavaScript, Python, Go
- **Technologies**: AWS (Lambda, S3, DynamoDB, CloudWatch, CloudFormation, CDK, ECS, SageMaker), Docker, CI/CD, Spring Boot
- **Frameworks**: React, Vite, Mantine
- **Cloud Architecture**: Microservices, Serverless, Event-driven architectures
- **Development Practices**: Agile methodologies, SDLC, API development (REST)

EXPERIENCE

Amazon | Software Development Engineer
Vancouver, BC | Oct. 2021 - Present

- Led development of DataLex, a data model dictionary using React and AWS Lambda, adopted by 60+ data models within 3 months
- Implemented a distributed, real-time monitoring service using AWS Lambda, processing 100s of millions of records daily
- Developed and maintained a data pipeline using AWS Lambda, Kinesis, Glue, S3, and Spark, serving hundreds of internal users daily
- Designed and implemented a search engine service using AWS SageMaker and React, enhancing user accessibility and experience
- Led and mentored a team of 5 engineers, managing project design and coordination with senior management
- Contributed to AWS CloudFormation Platform team, developing services for resource import and CRUD operations, with a focus on security and encryption

Pason Systems | Software Developer
Calgary, AB | May 2020 - Oct. 2021

- Optimized CI/CD pipelines, implementing early smoke testing during code reviews, resulting in 60% more frequent deployments and reduced operational issues
- Created 'Jockett', a Java WebSocket testing library for simulating WebSocket clients and servers
- Developed a Gradle library integrating AWS Secrets Manager, enhancing data security and standardizing property storage

CNOOC International | Data Integration Specialist
Calgary, AB | May 2019 - May 2020

- Designed and developed an Apache Hadoop and Spark-based predictive model, saving over USD $1 million
- Created 'CIData', an R package for streamlined data access from multiple databases for over 60 engineers
- Developed a Java-based data watchdog service to monitor Hadoop data integrity and uptime, reducing operational burden by 90%

EDUCATION

Bachelor of Science, Computer Science | University of Calgary | 2014 - 2019

- Relevant Courses: Data Structures, Software Architecture, Artificial Intelligence, Human-Computer Interaction
- Extra-curricular: Schulich Racing, Software Lead (2017-2019)

PROJECTS

The Campaigner | Full-Stack Developer
- Developed a DND campaign management application using AWS, Vite/Mantine/React frontend, Supabase for Auth, and Spring Boot Java backend
- Implemented scalable architecture using AWS services (ECS, EC2, S3, DynamoDB) managed with CDK
- Optimized performance and cost-efficiency through strategic use of DynamoDB for key-lookup and in-memory caching