

# Resume

I am a software engineer based in Bangkok. I have 10 years of Kotlin and Typescript experience.  
I have created Kotlin backend services, Typescript full stack apps and also Android apps.

## Contact information

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## Experience

### ***High-Mobility, Remote – August 2014 - Present***

- **Kafka/Kinesis Streaming Services:** Developed production grade service for Kafka topic listening and data transformation with deployments managed via Kubernetes Helm charts. Service handles 1000msg/s car data streams.
- **Kotlin Ktor/MQTT/Postgres Backend:** Created a backend solution for car data storage using Kotlin, MQTT, and PostgreSQL, with deployments managed on AWS using Kubernetes.
- **Open Source Contributions:** Developed Java libraries with a significant monthly download rate (~1000 times) on MavenCentral, demonstrating active community use and trust.
- **Android Development:**
  - **Automotive Car Data Observing App:** Built an Android Automotive app using Jetpack Compose (MVVM architecture) for car data observation and communication with an AWS MQTT broker.
- **Major App Contributions:** Worked on significant projects such as the Land Rover InControl app and the Sixt car rent app, focusing on UI development and backend communications, including complex Bluetooth/Telematics communication.

### ***Audit-Hero, Remote - August 2021 - Present***

- This is a website that aggregates Security Audit reports: [live website](#)
- **NodeJS Backend Development:** Developed backend solutions using NodeJS, focusing on serverless architecture with AWS and database management using DynamoDB.
- **Frontend ReactJS development:** Developed dynamic and responsive user interfaces with ReactJS, ensuring robust integration with backend services.
- **Terraform deployment** All services are automatically deployed via Terraform's CDKTF library.
- **Functional Programming:** Advocated for and implemented functional programming concepts using the fp-ts library to build clean, maintainable, and scalable code bases.
- **Functionality**
  - **Content Aggregation:** cron jobs parse APIs and websites, utilizing sophisticated regex pattern matching for effective text parsing.
  - **Embeddings Matching:** Uses qdrant DB for embedding storage and LLM for rule creation and verification, effectively matching previous findings with current project code.
  - **Code Static Analysis:** Implemented static analysis with solidity-parser ANTLR, generating call trees and projecting them using mermaidJS for in-depth auditing insights.

### ***Cannedapps, Tallinn – 2011 - August 2014 (3 years)***

- Developing Jaguar Land Rover iOS/Android apps. These apps used telematics to send and receive data from cars

- Created concepts of car dashboard apps in Android tablet
- Developed a weather forecast app for Android

### ***Yrgel Entertainment Internship, Tallinn - January 2011 - May 2011 (5 months)***

- Android/iOS native application development and Mobile game development with Unity3D.

### ***Hobby projects***

- **ti-vim**: MacOS system-wide Vim mode. Native MacOS Swift + AWS Lambda with Kotlin. Lambda function validates the app purchase information. [link](#)
- **Dig Three**: Digging game for iOS, made with Unity.

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## Languages

### **Estonian**

Native speaker

### **English**

Fluent

### **Thai**

Learning, at about 35%

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## Education

### **Bachelor's Degree in IT Systems Development**

2007

Estonian IT College - Tallinn, Estonia