Wojciech Wiśniewski

Software Engineer

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⌨ github.com/zarazek

in Wojciech Wiśniewski

SKILLS

Haskell:

- Basic functional programming patterns
- Functors, applicatives, monads
- Monad transformer stacks, MTL, free monads
- Parser combinators
- Generics
- Web services: Servant
- Concurrency: STM, async
- Streaming: conduit, pipes
- Testing: Hspec, QuickCheck, SmallCheck
- Building: cabal, stack

Other:

- C/C++
- Linux
- Rust
- Java
- Python

Languages:

- Polish – native
- English – proficient

EXPERIENCE

1/2021 – present	**Senior software developer**	**Standard Chartered**

- Maintenance and development of in-house hedge accounting application.
  ```
  Mu (internal Haskell dialect), PostgreSQL
  ```

6/2022 – 4/2023	**Contractor**	**FPComplete**

- Maintenence of large haskell codebase (dozen microservices, over 300 internal cabal packages) for one of the clients.
  ```
  Haskell, servant, yesod, PostgreSQL
  ```

1/2019 – 12/2020	**Application Development Specialist – Haskell**	**Citi Service Center Europe**

- Integration of corporate instant messaging system with external chat services (WhatsApp, WeChat, SMS, etc).
  ```
  Haskell, Servant, in-memory database (STM)
  ```

7/2017 – 12/2018	**Backend Developer**	**Quedex.net**

- Development and maintenance of trading engine: new features, unit and integration tests, maintenance, bug fixes.
  ```
  Java 8, LMAX Disruptor
  ```
- Development of transaction log processing pipeline.
  ```
  Go, MongoDB
  ```
- Configuration and maintenance of Elasticsearch cluster.
  ```
  Elasticseach, Python
  ```
- Devops work for engine and accompanying services.
  ```
  Docker, bash, nginx
  ```

6/2016 – 7/2017	**Senior Software Engineer**	**F5 Networks**

- Maintenance of BIG-IP TMM: high-performance packet processing system (user-space TCP/IP stack): bug fixing, performance optimization, regression and performance testing.
  ```
  C, Linux
  ```

6/2015 – 5/2016	**Consultant**	**Mobica**

- Development of car navigation and infotainment system: hardware and Google Earth integration.
  `QNX, proprietary application framework, C++11`

2/2015 – 4/2016	**Embedded Software Developer**	**Medima**

- Development of firmware for infusion pump.
  `RM Cortex M4 MCU, FreeRTOS, C`

4/2013 – 1/2015	**Senior Software Engineer**	**Samsung**

- Development of transparent access to cloud file storage services (i. e. Dropbox) for Tizen platform.
  `Linux, C.`

- Various web services.
  `Python, Django`

- Porting of Blink (Chrome) browser engine to Tizen platform.
  `C++, Linux`

10/2009 – 3/2013	**Embedded Systems Developer**	**Finder Systems**

Lead developer of automotive tracking device FinderPRO.
`ARM Cortex M3 MCU, FreeRTOS, C++`

- overall application design

- GPS location

- GSM/GPRS connectivity, device – server communication protocols

- filesystem and storage layer

- device drivers

Accompanying software:

- remote configuration and update tool
  `Qt, C++`

- server-side of communication protocol
  `C#`

10/2006 – 9/2009	**Software Engineer**	**Autoguard (embedded Linux)**

NAVTO personal navigation device
`ARM CPU, embedded Linux, C, C++, Python`

- highly efficient routing engine, using unique heuristic algorithms

- special-purpose embedded geospatial database with object caching layer and indexing of spatial, textual and routing data

Server-side map data visualization with `Mapnik` visualization engine.

9/2004 – 10/2006	**Junior Software Engineer**	**Transbit**

- Developing elements of management system for military communications equipment (SZAŁ – Communications Equipment Management System).
  `C, C++, embedded Linux`

EDUCATION

1997 – 2002	**Warsaw University of Technology, Faculty of Electronics and Inforamtion Technology**	

No degree (all courses finished, but no thesis)