

Wojciech Wiśniewski

Software Engineer



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github.com/zarazek

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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

FPCComplete

- Maintenance 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.
Elasticsearch, 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
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> Development of firmware for infusion pump. RM Cortex M4 MCU, FreeRTOS, C 	
4/2013 – 1/2015	Senior Software Engineer	Samsung
	<ul style="list-style-type: none"> 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
	<p>Lead developer of automotive tracking device FinderPRO. ARM Cortex M3 MCU, FreeRTOS, C++</p> <ul style="list-style-type: none"> overall application design GPS location GSM/GPRS connectivity, device – server communication protocols filesystem and storage layer device drivers <p>Accompanying software:</p> <ul style="list-style-type: none"> remote configuration and update tool Qt, C++ server-side of communication protocol C# 	
10/2006 – 9/2009	Software Engineer	Autoguard (embedded Linux)
	<p>NAVTO personal navigation device ARM CPU, embedded Linux, C, C++, Python</p> <ul style="list-style-type: none"> 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 <p>Server-side map data visualization with Mapnik visualization engine.</p>	
9/2004 – 10/2006	Junior Software Engineer	Transbit
	<ul style="list-style-type: none"> 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 Informamtion Technology No degree (all courses finished, but no thesis)
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