



# Marek Bauer

## Software Engineer



### Profile

I recently completed my MSc thesis in functional languages and have a strong interest in Category theory. With a deep passion for mathematics, I enjoy discussing concepts like the secretary problem, even with friends over drinks. My lifelong fascination with computers has led me to pursue a career as a programmer, where I take pride in writing elegant and reliable code.



### Work experience

present

↑  
2022

#### Software Engineer (Haskell)

*Standard Chartered Bank (Contracted by Luxoft)*

- Contributing to the development of risk management applications for financial instruments in Mu (a dialect of Haskell).
- Leading the automated testing efforts.
- Utilizing PureScript for front-end development.

2022

↑  
2021

#### Software Engineer (Java)

*Siemens Digital Logistics*

- Created Android applications.
- Developed mobile applications using the Ionic framework.
- Designed web applications using the GWT framework.



### Education

2023

↑  
2022

#### Master of Science in Computer Science

*University of Wrocław*

##### Key Achievements:

- Active participation in the development of a RISC-V processor on an FPGA chip.
- Engaged as a member of the "Lambda" science club.

2022

↑  
2018

#### Bachelor of Science in Computer Science

*Wrocław University of Science and Technology*

##### Key Achievements:

- Distinguished recipient of the Headmaster's scholarship.
- Selected for participation in the "Quant Scholarship Program" by Credit Suisse, specializing in F#.

2018

↑  
2014

#### IT Specialist

*Technical High School, Racibórz*

##### Key Achievements:

- Undertook a professional internship at PTS in Braunschweig, Germany.



### Contact



#### Email

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#### GitHub

marek-bauer



#### LinkedIn

in/marek-bauer



### Tech stack

Haskell	Advanced
Java	Proficient
Coq	Proficient
Git	Proficient
Rust	Intermediate
TypeScript	Intermediate
PureScript	Basic
Prolog	Basic



### Languages

Polish	Native
English	Fluent



### Soft skills

- Quick learner
- Team player
- Conscientious worker