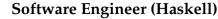# Marek Bauer

Haskell Software Developer

Profile

I am a passionate software developer with expertise in Haskell and a deep love for mathematics. Currently employed at Standard Chartered Bank, I contribute to projects that combine functional programming with complex financial systems. I thrive on taking on new challenges, particularly in finance and functional programming.

Work experience

Software Engineer (Haskell)
Standard Chartered Bank (Contracted by Luxoft)

present ↑ 2022

- 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.
- Developed a tool for portfolio optimization with acceptable risk constraints.

Software Engineer (Java)
Siemens Digital Logistics

2022 ↑ 2021

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

Education

Master of Science in Computer Science
University of Wrocław

2023 ↑ 2022

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.

Bachelor of Science in Computer Science
Wrocław University of Science and Technology

2022 ↑ 2018

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

IT Specialist
Technical High School, Racibórz

2018 ↑ 2014

Contact

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Tech stack

Haskell	Advanced
Java	Proficient
Coq	Proficient
Git	Proficient
Rust	Intermediate
TypeScript	Intermediate
Quantitative math	Intermediate

Languages

Polish	Native
English	Fluent

Soft skills

- Quick learner
- Team player
- Conscientious and passionate worker