

Java Engineer

Links

 Lee Fowler

 Portfolio [Concurrency Blog](https://concurrency.blog)

Profile

- ## Skills

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Projects

TLA+

Golang

Rust, Motoko, Javascript

Experience

- Automated data analysis for clients in sales and media - saves 38hours/wk - **Python**
- Added TLA+ spec for SMTP Rust server for the DMAIL project ([link](#)) - **Mathematics & TLA+**
- Added rich error handling to the Dapr project in Go as per gRPC style ([link](#)) - **Golang**

- I increased performance dramatically with memory leak fixes and reduced memory usage requirements on end-users.
- I created mocking tests to catch developer errors upon code commit.
- I developed probability distribution calculations for particle size predictions in materials.

- I created a new class of titanium alloys: from design to bio-testing and published in this area.
- Supervised 4 Masters students, and lectured on Biomaterials.

- Created data reporting strategy for optimal engineering decision making by managers.
- Trained clinical engineers and managers in data extraction from hospital processes online and in person.

March 2015 - Aug 2015
Stellenbosch, South Africa

Education

Key skills: Java, Spring, PostgreSQL, Docker and built apps

Sept 2020 - Dec 2020
Diploma

- Published 4 articles with my name in the first position (main contributor) and several others as a contributor.
- Got 5 scholarships for my Phd research with grant writing.

Sept 2015 - Dec 2019
PhD

Key skills: Biology, FEM, Materials and Implant design, Stats, Entrepreneurship

Sept 2013 - Sept 2014
MSc

Languages

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