

Resume

Gustav Behm



Contact information

Homepage: rootmos.io
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Location: Stockholm, Sweden

Professional experience

- Sep, 2020 – Jan, 2021 Senior Software Engineer, [IOTA](#), Berlin
Rust, [Stronghold](#) (secret management engine)
- Mar, 2016 – Dec, 2019 Senior backend developer, [Upvest](#), Berlin
Multi-protocol blockchain storage solutions, integration of: [Arweave](#), [Ethereum](#), [Bitcoin](#)
C, Scala ([Cats](#)), [Akka](#) (streams, akka-http), [GCP](#)
- Oct, 2016 – Jan, 2018 Backend Engineer, [Magine](#), Stockholm
User data and subscription management services
Scala ([Scalaz](#), [Finagle](#)), Haskell ([Servant](#)), C ([H2O](#)), [Cassandra](#), [AWS](#)
- Jan, 2016 – Oct, 2016 Software Engineer, [Klarna](#), Stockholm
Core payments team, bank-facing services in a microservice setting
Scala ([Dropwizard](#)), [PostgreSQL](#), [AWS](#)
- Jun, 2014 – Jan, 2016 Designer, [Ericsson](#), Stockholm (Kista)
Soft real-time, distributed telecommunication node (3GPP [HSS](#)), C++

Academic experience

- 2012 – 2014 Licentiate of Engineering, Mathematics, [KTH Royal Institute of Technology](#)
Title: [Carleman-Sobolev classes and Green's potentials for weighted Laplacians](#)
20% teaching (tutoring and teacher's aide in Linear Algebra and Calculus)
Postgraduate courses:
 - Distribution Theory
 - Elements of potential theory
 - Non-linear PDE
 - Fourier Analysis
- 2010 – 2012 Degree of Master of Science, [Mathematics](#), KTH Royal Institute of Technology
Degree of Master of Science in Engineering, [Engineering Physics](#), KTH Royal Institute of Technology
Title: [Green's function for two weighted Laplacians in the unit disc \(PDF\)](#)
Selection of courses:
 - Integration Theory
 - Commutative Algebra and Algebraic Geometry
 - Topology
 - Functional Analysis
- 2007 – 2010 Degree of Bachelor of Science, Mathematics, KTH Royal Institute of Technology
Title: [Low order p-groups: Linear representations of p-groups \(PDF\)](#)

Personal projects

- [openbsd](#) – an OpenBSD image builder
- [h](#) – hardened script interpreters as a tutorial on Linux security features
- [silly-k](#) – a language inspired by [K](#) and APL, compiled using [nanopass](#) targeting [Malfunction](#)
- [silly-ml](#) – an ML-like language implemented in OCaml, compiled to x86-64 assembly with a custom runtime

Language experience

English Fluent in both written and spoken English
– Jan, 2018 [TOEFL iBT](#) Total score: 118/120 ([score comparisons](#))
– Mar, 2007 [Cambridge English: Advanced](#) Grade B (ESOL Level 2, [CEFR C1](#))

Swedish Native