

# Kristian Freed

MSc, Technical Manager, Software Architect

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London, United Kingdom

## PROFILE

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Technical leader with solid complete stack, full software development life cycle experience. Proven track record of team leadership, stakeholder management and hands on software development in highly challenging environments ranging from 5 person startups to 50,000+ corporates. Strong technical foundation with an MSc degree in Computer Science and a broad range of languages, frameworks and technologies across web, desktop, mobile and cloud.

## QUALIFICATIONS OVERVIEW

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- Agile/Scrum/Kanban
- DevOps
- Greenfield Development
- Product Selection
- Risk Management
- Stakeholder Management
- Big Data
- Full Software Life Cycle
- Presales
- Project Management
- Software Architecture
- Team Leadership
- Continuous Testing & Delivery
- Full Stack Development
- Product Roadmap & Vision
- Requirements Analysis
- Software Development
- Technical Solutions Consulting

## EDUCATION

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### BSc+MSc in Computer Science at Chalmers University of Technology

Master's thesis: Finding patterns in series - Measuring complexity of human recollection

2000 - 2005 | Gothenburg, Sweden | Computer Languages and Algorithms

Chalmers is a Swedish top tier university known for their Computer Science department. At the time, Swedish universities offered a 5 year integrated BSc + MSc program.

## PROFESSIONAL EXPERIENCE

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### Product Technology Manager at Google

Jun. 2014 - Present | London | Online advertisement | Automation, Roadmap, Big Data Analysis

As a Product Technology Manager at Google, I use technology to improve products and processes in the advertising space. The role involves working with engineering as well as sales and support, leveraging automation and big data analysis to ensure that new and existing offerings run efficiently at a global scale.

- Designed and launched new internal tools critical to travel ads, addressing long standing issues affecting serviceability, quality, and revenue.
- Influenced product roadmap and strategy using objective business insights from big data analysis.
- Utilised Google's unique infrastructure for containerisation, deployment and planet scale storage.

### Deputy Practice Head, Principal Consultant at Lab49

Aug. 2012 - May 2014 | London | Consultancy, Finance, FX | Team Leadership, Software Architecture, Presales

Lab49 is a global software consultancy specialising in disruptive end to end software solutions for tier one investment banks and other financial institutions. The role of Deputy Practice Head include line management, client facing responsibilities and active part in company strategy.

- Promoted to Deputy Practice Head & Principal Consultant after just over a year in the company.
- Managed teams of 10+ developers on a multi year, high profile client engagement.
- Represented the company's technical department in meetings with potential and current clients.
- Participated in cost analysis, risk management, project roadmap, product selection, and strategy.
- Defined processes for interviews and screening of candidates and was actively involved in recruitment.
- Created infrastructure for continuous testing and delivery using Amazon Web Services (AWS) and Chef.
- Designed a bespoke internal framework for managing security, fault tolerance, and horizontal scaling.

## PROFESSIONAL EXPERIENCE (CONTD.)

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### Senior Associate at Lab49

Apr. 2011 - Aug 2012 | London | Consultancy, Finance, FX | Full Stack Software Development & Architecture

As an individual contributor at Lab49, I worked directly with a number of tier one investment banks and other financial organisations to develop greenfield, full stack bespoke software solutions.

- Successfully delivered multiple industry changing projects for FX, options trading and back office services, using C#/NET, Java, Ruby, and Objective-C, spanning server side, web and mobile platforms.
- Worked on site with clients, business domain experts, and user experience experts to ensure that software was delivered on time and met business requirements as well as technical quality targets.

### Senior Software Developer at Trayport Limited

Jan. 2010 - Mar. 2011 | London | Commodities Trading | Team Leadership, Software Development

Trayport is the market leading provider of trading platforms for the European energy market.

- As the technical lead on a 7 person team, developed a .NET based replacement for Trayport's legacy C++ trading screen, from idea to completed product.
- Pioneered the use of F# at Trayport in conjunction with well known members of the F# community.
- Used BDD (Gherkin/SpecFlow) to eliminate most manual testing by driving automated UI and integration testing from human readable specifications.

### CTO, Lead Developer at Synaps AB

Nov. 2007 - Dec. 2009 | Gothenburg | Health Care Startup, Mobile | Product Vision, Software Development

Synaps was formed around the product with the same name developed for Sahlgrenska University Hospital (see below) to enable further development and commercialisation of the system.

- Led the ongoing development of client (mobile, desktop) and server components with full ownership of project roadmap and choice of technologies.
- Represented the company in meetings with potential customers, partners, and investors. Attended trade fairs in Sweden and Europe to promote the product and identify new trends in the industry.

### Software Developer at Sahlgrenska University Hospital

Oct. 2005 - Oct. 2007 | Gothenburg | Health Care, Mobile | Software Development & Architecture

In-house development of a disruptive mobile application Synaps, projected to reduce time spent on admin tasks by on average 30 minutes per doctor and nurse, per day.

- Worked iteratively with health care personnel, interaction designers, and graphical designers to define the functionality of the platform, whilst ensuring technically feasible and adherence to medical regulations.
- Implemented a fully functional prototype of the mobile application, with supporting server infrastructure and system integrations.

### Lead Developer at Edoctrina AB

Feb. 2005 - Aug. 2005 | Gothenburg | Education Technology | Software Development & Architecture

Edoctrina is a start up company specialising in interactive multimedia teaching aids.

- With a team of 5 people, led the development of the company's flagship product Digidoctus.

## TECHNICAL EXPERTISE

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Experience of a broad range of technologies and programming languages from Pascal first used 20+ years ago to Kotlin being a current interest. Examples include:

- Programming languages: Java, Python, JavaScript, Ruby, C#, F#, C++, Objective-C
- Frameworks: Polymer, Akka, J2EE, Rails, Django, .NET, WPF/Silverlight, WCF, RX
- Platforms: Mobile (Android, iOS), Web, Desktop, Server (AWS, Google App Engine)
- Paradigms: OOP, Functional Programming, Message Based Programming, Event Sourcing, CQRS, Reliable Messaging, Cloud Computing, NoSQL

## SCHOLARSHIPS AND AWARDS

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### **National programming contest "The List", Sept. 2008**

Finished 3rd in a national programming contest hosted by the European software consulting company ÅF as part of a PR and recruitment campaign.

### **Mensa Membership, Oct. 2004**

Admitted to Mensa Sweden, the Swedish branch of the Mensa high IQ society, after scoring in the top 2% in standardised IQ test.

### **Scholarship from The Adlerbertska scholarship fund, Oct. 2002**

Received scholarship awarded to selected students at Chalmers University of Technology annually.

### **Scholarship from Märta and Axel Dunge memorial fund, Jun. 2000**

Received scholarship awarded to 2 exam students at Stångådalen High School for outstanding results in natural and human science annually.

## LANGUAGES

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English (fluent), Swedish (fluent), German (basic understanding)