

Chris Raynor

Software Engineer

Chris Raynor BEng (Hons) MSc

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Seeking a role as a technical leader in a software engineering or SRE team. I'm excited to find a role where I can put my distributed systems expertise to good use delivering a great product, reliably and at scale.

Skills

Technical leadership, mentoring and coaching, product-focussed engineering, APIs, distributed systems architecture, backend infrastructure, large scale & reliable services, microservices & containerization, design & implementation, SRE, DevOps, SLOs, Go (Golang).

Experience

Thought Machine Group Limited

Senior Back End Engineer / Ledger Group

September 2021 - Present, London

Staff-level role in a fintech unicorn working across the three teams responsible for all financial movements within the Core product. I've spent roughly half of my time here working on high profile, high impact R&D projects focused on the performance and scale for some of the largest banks in the world, and now I'm working on delivering those findings back into the product.

GitHub Software UK Ltd

Senior Software Engineer / Code Scanning, Advanced Security

August 2020 - August 2021, Remote (London)

Senior individual contributor. Led a large project to implement a new pricing model for Advanced Security, unblocking millions of dollars in ARR. Participated in oncall and regular ops reviews, championing and implementing more mature SRE / DevOps techniques and tooling. Built the Advanced Security billing integration for the GitHub AE product line.

Google UK Ltd

Engineering Manager, Site Reliability Engineering / Cloud Services SRE

July 2018 - July 2020, London

Bootstrapped a new team, onboarded 9 team members (4 new hires, 1 temp assignment), achieved high scores from manager feedback surveys, and coached a team member through promotion. Set the team's direction and negotiated a roadmap with up to 10 partner teams.

Also mentored colleagues across the company on writing maintainable Go code - for a 6 month period I was in the top 10 reviewers of Go code for 'readability' at Google by review count.

Senior Site Reliability Engineer / App Engine Storage SRE

September 2017 - July 2018, London

Oncall for storage services with collectively many millions of QPS. Collaborated on the launch of Cloud Firestore where I helped bring the component I was working on back from 6 months behind the rest of the project to a successful on-time launch globally.

Google Inc.

Senior Software Engineer / Firebase Hosting

May 2016 - September 2017, San Francisco

Technical lead for Firebase Hosting as the product continued to grow in both engagement and traffic >15% MoM (>10x increase during this time). Made the decision to undergo strategic rewrites of components to Go on internal platforms as they needed scaling. I oversaw the team training and transition whilst continuing to develop new product features.

Experience

(cont.)

Google Inc. (cont.)

Software Engineer / Firebase Hosting

October 2014 - May 2016, San Francisco

Oversaw the seamless transition of Firebase Hosting from AWS to GCP while the product engagement and traffic multiplied >20x during this time. Migrated hundreds of thousands of user accounts and projects onto internal Google Cloud systems for a successful launch of a much more widely integrated platform at Google I/O 2016.

Firebase Inc. (later acquired by Google)

Software Engineer / Hosting, Ops

December 2013 - October 2014, San Francisco

Designed and built most of the initial Firebase Hosting product and infrastructure, which when launched drew the most attention of any announcement up until the acquisition and turned Firebase from a single product into a platform.

Jetpac Inc.

Software Engineer / Backend Pipelines

January 2012 - December 2013, San Francisco

Built and maintained data ingestion and processing pipelines for a startup using Cassandra and Hadoop on AWS, applying machine vision and NLP to billions of photos and captions. Built backend services using Ruby to serve the processed data to clients.

Education

University of Warwick

MSc, Advanced Engineering

October 2008 - September 2009, Warwickshire

Studied a plethora of different engineering disciplines including biomedical (pharmacokinetics), mechanical, and electromechanical engineering, taking each as an opportunity to apply mathematical modelling / 'systems engineering' in practice.

BEng (Hons), Mechanical Engineering

September 2004 - June 2008, Warwickshire

Final year project was in electromechanical systems designing the drivetrain for a small electric vehicle. Lead to a focus on mathematical modelling throughout my masters.

Life Outside the Office

- Driving, working on, and restoring cars and motorcycles
- Hiking, climbing, and exploring the outdoors
- Competitive tower building with the world's cutest toddler