Hermosilo, Sonora, Mex.

FRANCISCO SOTO

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EXPERIENCE

Senior Software Engineer   dumpling   **Nov 2020 – Present**
Berkeley, CA (remote)
- Developed a web-based system to curate the catalog powering our grocery delivery platform. The system allowed in-place real-time changes to our catalog improving quality and quantity of products and services provided throughout our platform. The product catalog went in a just a few weeks from being just good enough to excellent and comprehensive, one of our strongest assets.
- Developed a time stream database based search result ordering system. It aggregated user and global preferences while searching for products improving personal search results improving user retention and engagement.
- Technologies utilized: Python, AWS Cognito, AWS AppSync, AWS DynamoDB, AWS Time Stream, AWS Serverless Lambda.

Senior Software Engineer   Homeroom   **Mar 2019 – Sep 2020**
San Francisco, CA (remote)
- Mentored and guided team members, performed code reviews, guided architecture and system design.
- Optimized backend performance by 300% during peak time by redesigning our locking strategy and fine tuning our production environment resulting in higher sales with less infrastructure expenditure.
- Developed a CLI tool to create and deploy isolated testing environments which resulted in reduced total bug count and increased feature development and validation speed.
- Implemented a developer environment for increased developer productivity by leveraging vagrant, containers and virtual machines.
- Technologies utilized: Ruby On Rails, TypeScript, PostgreSQL, React, Redux.

Senior Software Engineer   Homeroom   **Mar 2019 – Present**
San Francisco, CA (remote)
- Mentored and guided team members, performed code reviews, guided architecture and system design.
- Optimized backend performance by 300% during peak time by redesigning our locking strategy and fine tuning our production environment resulting in higher sales with less infrastructure expenditure.
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- Technologies utilized: Ruby On Rails, TypeScript, PostgreSQL, React, Redux.

Senior Software Engineer   CareZone   **Jul 2015 – Dec 2018**
Seattle, WA (Remote)
- Designed and implemented a data synchronization scheme between the application, physical pharmacy and warehouse to power an online pharmacy store.
- Guided other team members on Ruby, organized internal tech talks, lead small teams.
- Improved application performance by implementing more efficient algorithms and optimizing our database queries resulting in better user experience.
- Technologies utilized: Ruby On Rails, Javascript, Go, PostgreSQL, React, Redux.

Founder   **Hello Code**   **Apr 2014 – May 2015**

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- Co-founded the company, made first hires, managed the team, secured angel investment and landed strategic partnerships.
- Designed and implemented Chopeo, a multi-tenant e-commerce service which grew to serve 250 small micro-business stores.
- Technologies utilized: Ruby On Rails, Javascript, Common Lisp, PostgreSQL.

Spacecraft Software Engineer   **Spire Global, Inc**   **Aug 2013 – Nov 2013**

San Francisco, CA

- Implemented the radio module firmware for ground-to-satellite communications for Ardusat2 on a record-breaking four month design-to-implemention satellite project.
- Implemented an embedded linux deamon for process control and monitoring for Lemur-1.
- Technologies utilized: C, Python, FreeRTOS, Arduino, ARM.

Senior Software Engineer   **Expensify**   **Feb 2013 – Jun 2013**

San Francisco, CA

- Spearheaded the training of marketing and sales on the use of SQL by themselves resulting in improved targeted ads campaigns.
- Implemented new features and new bank integrations which increased the range of customers served.
- Optimized database queries by carefully profiling the application ensuring we conform to strict SLAs.
- Technologies utilized: PHP, Javascript, C++, MySQL.

Engineering Manager   **INgrooves**   **Apr 2009 – Dec 2012**

San Francisco, CA

- Managed and empowered technical teams on major company-wide projects.
- Bootstrapped the first version of an ebook distribution platform, INscribe Digital, bringing in a new revenue stream.
- Architected an album ingestion enterprise-grade system driving the distribution pipeline of thousands of the most sought after musical property in the world.
- Technologies utilized: C#, C++, .NET 3.5, SQL Server, IIS.

Senior Software Engineer   **Nearsoft**   **Aug 2008 – Sep 2009**

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- Developed a online real-time chat application by leveraging HTML, Javascript and XMPP powering the a haggling platform startup.
- Technologies utilized: PHP, C#, Javascript, MySQL.

Senior Software Engineer   **Centro de Investigación y**   **Feb 2006 – Aug 2008**
          Desarrollo de Ingeniería Avanzada

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- Implemented an image processing and analyzing application accelerating progress on a optical profilometry research.

- Lead a small team that developed a meat grade classifier that brought forward the state of the art in computer vision and improved mexican slaughterhouses processes.
- Implemented a prototype spectrophotometer for coffee bean roast measurement in an effort from local coffe roasting industry to innovate.
- Technologies utilized: C#, C++, .NET, Java, OpenGL, Matlab.

PERSONAL OPEN SOURCE PROJECTS

- **tracing.js** (https://github.com/ebobby/tracing.js) Function tracing and debugging Javascript library. Javascript
- **has-many-with-set** (https://github.com/ebobby/has-many-with-set) A smarter way of doing many-to-many relationships in Ruby On Rails. Ruby On Rails
- **simple-pathtracer** (https://github.com/ebobby/simple-pathtracer) Simple path tracing project in Rust. Rust