



Chris Arnesen

San Francisco, California

[linkedin.com/in/carnesen](https://www.linkedin.com/in/carnesen)

github.com/carnesen

chris.arnesen@gmail.com

(650) 731-5404

Education

Ph.D. Physics, Massachusetts Institute of Technology, Cambridge MA, 2002-2007

B.S. Physics, California Institute of Technology, Pasadena CA, 1997-2001

Experience

SABBATICAL, SAN FRANCISCO, CA • JAN 2014 -

Wrote an open-source JavaScript library for connecting to the Bitcoin Core remote procedure call (RPC) interface from Node.js or a browser. Attended Blockchain University. Contributed to Bitseed Personal Bitcoin Server community software program.

DEVOPS ENGINEER, STORYCLOUD • MOUNTAIN VIEW, CA • MARCH - DECEMBER 2014

Configured cloud computing resources for a web startup with a focus on security and scalability. Standardized laptop development environments using virtualization and configuration management. Implemented continuous build-test-release pipelines and live monitoring for our source code.

FIELD CONSULTANT, AB INITIO SOFTWARE • JUNE 2011 - DECEMBER 2013

Translated big-data applications to the Ab Initio programming language. Developed data differencing algorithms to test program output. Architected the merger of critical mainframe applications at a major airline.

INTERNAL CONSULTANT, AB INITIO SOFTWARE • LEXINGTON, MA • APRIL 2009 - MAY 2011

Responded to customer support requests about application design, best practices, performance tuning, software failures in development and in production. Developed and delivered instructor-led training courses. Unified the company's disparate training and demo programs into a single lightweight installer.

POSTDOCTORAL RESEARCHER, CARNEGIE MELLON UNIVERSITY • SEPTEMBER 2007 - JANUARY 2009

Calculated limits on the rate of Higgs boson production at the Large Hadron Collider.

Skills

Languages: JavaScript (Node.js), SQL, Ansible, Ab Initio, Mathematica, Matlab

Software engineering, application architecture, distributed data processing, science, math, DevOps, technical writing, teaching, Linux, bitcoin, computer security, cloud computing, configuration management, relational databases