Submitter: Seth Woolley

On Behalf Of: Portland Green Party

Committee: House Committee On Rules

Measure, Appointment or Topic: HB3392

To go along with my testimony which calls out technical claims of the Secretary of State, I provide here a relevant resume excerpt:

SKILLS -
        Courses:
         Data Structures   Algorithm Analysis   3D Computer Graphics
         Programming Languages Databases   Automata Theory

        Skills:
         Languages: C/C++, Java, Kotlin, Bash, VHDL, Python,
                             PERL, TCL, Rust.
         Databases: Sqlite, PostgreSQL, MySQL (etc.), Lucene,
                             Graphite (etc.), NoSQL databases, Kafka, Oracle.
         Programming Emphases: Software-Defined Radio Radar & Positioning
                             Navigation, Spatial Databases, Android,
                             Debugging System-level Issues, Scaling
                             Security, POSIX, Embedded, Rendering,
                             Sockets, Threading, Clustering, CMake,
                             GNU Autotools, Dynamic and Static Analysis,
                             Developer Ops, Containerization, Filesystems

PATENTS -
        See https://patents.justia.com/inventor/seth-alan-woolley

        Navigation Lane Guidance using lane scoring. US 9816830
        User Control of Alternate Routes. US 11118922
        Route optimization system based on height parameter. US 11644334

EXPERIENCE -
        Principal Engineer. StormQuant. Portland, OR, 10/2019-now
         Working from Portland, OR for doppler hardware + services startup.
         Distributed team in Silicon Valley, Space Coast, Denver + Portland
         Dual-Polarization Doppler Weather Radar using X-Band P0N emission.

        Senior Software Engineer II [Staff]. Uber. Portland, OR, 3/2015-9/2019
         Working from Portland, OR for a division based out of San Francisco
         Technical Lead of full Navigation Stack from Routing to Mobile SDK
         Guidance engine creator, data policy consultant, quasi-manager.

Senior Software Engineer. deCarta. Portland, OR, 09/2006-3/2015
  Successfully "exited" a nearly two decade old startup for
    an undisclosed amount to the fastest growing company ever
    in what was the first formal acquisition by Uber Technologies.
  Working from Portland, OR for a division based out of San Jose.
  Data Compiler, Distributed Build Engine, Core Engine, Guidance Engine.

Software Engineer. Panasas. Fremont, California, 01/2006-08/2006
  Tools and Automation Team for distributed filesystem for
    supercomputing applications.

Source Mage GNU/Linux QA and Security Team Leader. 2002-2006

Website Security Vigilante. 2002-2006
  Found and reported software vulnerabilities including:
    multiple severe security vulnerabilities in a common website
      blog tool (b2/wordpress) [now it's super popular -- I was first to audit]
    a less severe security vulnerability in an even more common blog
      tool (Movable Type) [not as popular anymore -- wordpress took over]
    an information leakage vulnerability in a proprietary
      registration system for a website with thousands of members
    a vulnerability revealing the internal root password of the
      mass-mail server used by the Kerry 2004 campaign
    multiple severe vulnerabilities in a proprietary web host
      ticket tracking system used by thousands of companies
    an MSSQL injection vulnerability months before the Salem-Keizer
      school district network was compromised