

Scott Lee Davis

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<https://scottleedavis.bio/>

EXPERIENCE

Lead Full Stack Engineer, Finity Communications (May 2021 - Feb 2023)

- Lead an Enterprise team with Vue3 and Java development
- Fostered the building of a CloudOPS team focused on Gitlab
- Built terraform modules for infrastructure deployments
- DevSecOps process and workflow

Senior Engineering Manager, ThinkMammoth (Jan 2020 - Feb 2021)

- Member of the senior leadership team
- Led a security team
- Managed a team of frontend developers

Technical Lead, Applyweb Self Service, CollegeNET (Oct 2017 - Jan 2020)

- Led UI, API, and CLI teams focused on providing self-service capabilities for ApplyWeb®
- Designed and implemented frontend, backend, and DevOps architecture
- Contributed open source code to Mattermost and created several plugins

Security Engineer, Summit Security Group (Nov 2016 - Jun 2017)

- Produced vulnerability assessments of external and internal systems for clients, including code reviews
- Participated in Social Engineering assessments, including physical and phishing exercises

Application Security Researcher, Rapid7 (Dec 2015 - Sep 2016)

- Helped forge Application Security practices, products, and services
- Planned, built, and deployed the out-of-band vulnerability callback API "AppSpidered," and built the ReactJS scan interface for AppSpider
- Discovered vulnerabilities, wrote exploits, and offered patching to the OpenAPI (Swagger) ecosystem

Engineering Security Team Lead, Webtrends (May 2013 - Dec 2015)

- Provided vulnerability assessments, code review, threat modeling, and built automation to augment existing Continuous Integration workflows
- Immersed in all layers of the SaaS components and focused development on data query architecture
- Wrote client-side and server-side components for portfolio applications, including account settings, action center, optimize, and streams

Developer, Aspen Labs LLC (Nov 2012 - May 2013)

- Furthered development in internationalization and visualization elements in products, while also contributing to the architecture of a continuous integration pipeline

Software Engineer, Collage Creative (Mar 2010 - Nov 2012)

- Contributed to Collage Creative aimed at providing custom WordPress solutions and providing security services for the organization and customers

Projection Interaction Artist (Nov 2009 - Jul 2011)

- Designed projection light systems for interactive experiences at dance shows, festivals, "OMSI After Dark," and after-school programs
- Designed, setup, and performed projection stage elements for NikeEM 2011

Co-Founder, Circadia Art Center (Mar 2009 - Nov 2009)

- Information Services: Network Infrastructure, Surveillance, website, social media
- Business Planning: Articles of Incorporation, Bylaws, Budget, Web-presence, legal contracts
- Business Management: Event Coordination, Class Scheduling, Alcohol procurement, Tenant relationships

Software Engineer, nLight Photonics (May 2008 - Mar 2009)

- Implemented the development of kitting algorithms that drove the tiered levels of the diode manufacturing process feeding an ERP system in Microsoft Axapta
- Worked closely with engineers in design, implementation, and execution of the complete laser product creation, assembly, testing

Software Engineer in Computational Geo Ecology (June 2006 - May 2008)

- Developed embedded firmware for avian GPS tracking data loggers and co-built the remote data collection system
- Created an agent-based ecological modeling framework in Matlab and taught MSc students on its use
- Created and shared as open-source, the Google Earth Toolbox for visualization

Remote Contract Software Engineer at SAPA Aluminum (September 2005 - May 2006)

- Developed Axapta 3.0 modules for the tracking and analysis of aluminum production facilities

Senior Software Engineer at Taiyo Yuden R&D Center of America (February 2003 - July 2005)

- Built several proof of concepts based on low power wireless sensor networks
- Member of the IEEE 802.15.4 working group
- Wrote firmware and drivers for various projects including keyboards and wireless network cards

Instructor at Clark Community College (September 2002 - December 2002)

- Taught CSCI 202 Intro to C++
- Programming with SQL Server 2000
- A+ OS Technologies

Developer at Texscan MSI (June 2000 - July 2002)

- Built video streaming service for school education
- Developed company website with online purchasing database
- Designed Linux drivers for hardware watchdog and real-time clock.

EDUCATION

MSc of Computational Geo Ecology at University of Amsterdam (2007-2008)

- unfinished
- Embed software for animal tracking program
- GoogleEarth Toolbox
- Understanding soaring bird migration through interactions and decisions at the individual level - (Journal of Theoretical Biology Volume 270, Issue 1, 7 February 2011, Pages 112-126)

BSc at Westminster College (2000 - 2002)

- Researched voice recognition and robotics
- Managed linux lab
- Teaching Assistant
- GPA 3.73

CONSULTING

CEO, Davis Consulting Services LLC (March 2021 - present)

- <https://davisconsulting.services/>