Ron Record

Specialties: Open Source Solutions, Multiple Programming Languages
Blockchain Expertise, Cloud/Services Workflow Automation

Education

- *Ph.D. Mathematics, University of California, Santa Cruz*
  Research in applications of dynamical system theory including models of marine snow, the Italian economy, cell morphogenesis, and population dynamics. Developed a software laboratory for algorithmically detecting the boundaries of basins of attraction in a chaotic dynamical system.
  Erdős number: Four
  Thesis Advisor: **Ralph Abraham**

Employment

2020-2021	*Principal Engineer*	
	Eloquent Cloud, LLC	
2018-2020	*Big Chief*	
	Moonlight Mining Company	
2012-2017	*Staff Engineer*	
	VMware, Inc.	
2010-2012	*Artificial Intelligence and Virtual Reality research consultant*	
	Second Life	
1983-2010	*Senior Open Source Architect*	
	Santa Cruz Operation (SCO)	

Recent Technical Experience

- Automation of billing, provisioning, and deployment of Cloud services
- **Solidity** and **Plutus** smart contract development on the Ethereum and Cardano blockchains
- Development, packaging, distribution, support, and maintenance of several open source projects with automated continuous integration using the Gitlab CLI
  - **DriveCommandLine**, manage Google Drive from the command line
  - **RoonCommandLine**, command line control of the **Roon audio system**
  - **MirrorCommand**, command line control of the **MagicMirror platform**
- Created prototype baseball card auction and trading site using the **InterPlanetary File System** (IPFS) and the **Filecoin** digital payment system

Earlier Technical Highlights

- Developed the prototype for VMware's Cloud Management of IoT device hubs
- Lead Technical Architect, SCO Linux
- SCO's primary representative and voting member on the UnitedLinux Management team
- Technical Architect of SCO Open Source strategy and programs
- Founding member, **86open**
- Senior SCO Security Officer
- Technical lead in research, planning & presentation of a 1990's Cloud Computing initiative
- Created, designed & prototyped the **SCO Webtop**
- Guided and coordinated a global team of engineers in the design and production of the SCO Skunkware CD-ROMs (Open Source solutions for developers and partners)
- Ported, integrated, packaged, distributed and maintained hundreds of Open Source projects
- Architect of GNUnix, an integrated Open Source and UNIX operating system and user environment
- Designed and implemented SCO world-wide source and revision control system
- Created energy efficient smart home using technology developed in the Automatic Guidance and Navigation group at NASA Ames Research Center

Publications

- Gardini, L., R. H. Abraham, R. J. Record, D. Fournier-Prunaret, [1994] "A Double Logistic Map", International Journal of Bifurcation and Chaos, Vol. 4, No. 1, 145-176
- Abraham, R. H., G. Chichilnisky, R. J. Record, [1994] "Dynamics of North-South Trade and the Environment", Environmental Economics, Graciela Chichilnisky, ed., Mattei Foundation, Milan
- Co-author "Chaos in Discrete Dynamical Systems: A Visual Introduction in 2 Dimensions", Telos/Springer-Verlag
- Co-author "Just Plane Chaos" teaching guide CD-ROM
- Co-author and presenter of a paper on Linux emulation at 1998 Summer USENIX
- Author "SCO and the Open Source Movement", SCO World, Jan/Feb/Mar 1999
- Author "Porting Open Source Software to SCO", SCO World, November/December 1999

Social Media / Projects

- Blog: `https://blog.ronrecord.com`
- Facebook: `https://www.facebook.com/ronrecord`
- Github: `https://github.com/doctorfree`
- Instagram: `https://www.instagram.com/doctorfree`
- LinkedIn: `https://www.linkedin.com/in/ronrecord`
- Twitter: `https://twitter.com/ronrecord`
- YouTube: `https://www.youtube.com/c/doctorfree`