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Curriculum Vitae, January 2019

Summary

- B. Sc. in Computer Science, University of Iceland
- Recognized Icelandic Open Source advocate and activist
- Over 20 years professional software development experience
- Over 20 years Linux/Unix systems administration experience
- Fluently bilingual speaker and writer of Icelandic and English
- Small business founder and manager
- Experienced public speaker

Current Technical Skills

- Languages: Python, HTML/CSS, JavaScript, Bash, C, Perl, SQL, …
- Tools: git/GitHub, Django, jQuery, Redis, Ansible, Debian/Ubuntu, …
- Standards: OpenPGP, MIME, Bitcoin, SMTP, IMAP, DNS, HTTP, TLS, …
- Security (white-hat): threat modeling, technology, tools and processes
- Systems administration, focused on monitoring & automation: "DevOps"
- End-user/usability testing

Non-Technical Professional Skills

- Public speaking, running workshops/hackathons
- Open Source community management, blogging, social media
- Company taxes, books, salaries (automated via spreadsheet)
- Small business management, including hiring and interviewing
- Crowdfunding and grant applications

Latest CV: https://bre.klaki.net/u?cv

Work History

2013 - present: Mailpile ehf

Along with Smári McCarthy and Brennan Novak, I created Mailpile: a personal Open Source e-mail solution aiming to match the convenience of cloud-based web-mail, while providing strong privacy and end-to-end encryption. We raised approximately $170,000 USD on the IndieGoGo crowd-funding platform, including some Bitcoin which was a learning experience in itself. We shipped working code for Linux, with Mac and Windows builds on the way. I am Mailpile's technical lead and wrote most of the code.

2013 - present: Icelandic Pirate Party

As one of the founding members of Iceland's Pirate Party, I took an active part in the 2013 campaign and was 3rd on the ballot in Reykjavík's northern constituency. I created the Pirates' parliamentary review tool, which got a significant amount of positive press in the days immediately preceding the elections. Since then I have assisted the Pirates with systems administration and software development tasks, including technical administration of most Pirate Party primaries (overseeing the voting systems).

2010 - present: The Beanstalks Project ehf

I founded The Beanstalks Project ehf around PageKite, an Open Source tool that makes it feasible for "less technical" people to host web sites and web services on personal devices. PageKite found a market in "the Internet of things" and is currently embedded in thousands of devices, as well as being used by thousands of developers and enthusiasts. At this job I have worn all the hats: programming, sysadmin, marketing, support, finance, grant applications, management, hiring and negotiating contracts.

2009 - 2010: Unemployed backpacker

I left Google and spent a year backpacking around Central and South America. I carried a laptop, took a lot of photographs and wrote Android apps for fun.

2006 - 2009: Google

Site Reliability Engineer in Dublin, Ireland. I was part of the team responsible for managing Google's global load balancers and search engine, and later joined the Bigtable team. In both roles I was primary and secondary on-call, handled routine maintenance, developed internal automation tools (Python, bash) and assisted internal product teams with their launches. I also interviewed over 100 job applicants.

2001 - 2006: FRISK Software International

I led a small team designing, developing and managing an anti-virus and anti-spam filtering service for e-mail. The system was written in C, Perl and HTML+JavaScript, running on Linux. At peak the system processed all incoming e-mail for two European national telecoms companies and their customers. The core of the system was published as Open Source.

1993 - 2001: Assorted jobs

From 1993 onward I worked for various companies (Orkustofnun, Margmiðlun Internet, Tern Systems) as a developer, systems administrator, or both.

Education, Awards and Community

2010 - present: Open Source Community engagement

Both PageKite and Mailpile have significant Open Source components which are published on GitHub. I have interacted with the community both online (blogging, social media, GitHub issues & pull requests) and hosted hackathons and workshops in person. On behalf of Mailpile I take part in the ongoing Autocrypt effort to create a more user-friendly standard for encrypted e-mail.

2010 - present: Public Speaking

I have given talks ranging from 5 minute lightning talks to hour-long presentations at multiple conferences and community events. I have spoken at FSCONS, RMLL, OHM, FOSDEM, CCC, PyCon UK, PyCon SK, CyberSalon and more. I have also been interviewed multiple times for print, radio and television and actively campaigned for the Pirate Party in Iceland.

2010: Nordic Free Software Award
2009: FSFI Freedoms Award

I was presented with awards at the Reykjavik Digital Freedoms Conference and later at FSCONS, both recognizing my work for the Icelandic Open Source and Free Software community.

2002 - 2018: Free SMS-based Medical Reminders

I created a free SMS-based reminder service, to help people on medication remember to take their pills. The primary audience was women on the contraceptive pill. At peak it had over 2000 subscribers.

1996 - 2006: Free Software Advocacy

I actively promoted Free Software, Open Source and Linux in Iceland. I created the first Icelandic website promoting Linux, helped translate the KDE desktop environment to Icelandic and took part in early attempts to lobby the government and schools to adopt Open Source. I helped organize Iceland's first Linux conference, spoke at other events and created Iceland's first Linux distribution (a localized RedHat Linux derivative).

1996 – 2000: University of Iceland

I studied mathematics and computer science, graduating with a B. Sc. in computer science in October 2000. My final project was an IRC proxy server written in C.

Hobbies for Humans

- I don't smoke, but I drink socially
- I am learning Italian; my Spanish, German and Danish are terrible
- I swim, lift weights, walk and bicycle for exercise - someday I'll revisit Karate
- I'd rather DIY than hire someone to fix my home