

Andrew Holland

Senior Engineer

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Summary

Motivated professional with a unique combination of management, development, and engineering experience – with an eye for product marketing.

Development lead with experience with web, mobile, enterprise, and server applications; previous positions as systems architect, operations manager, team lead, marketing manager, security engineer, systems engineer, deployment and DevOps specialist.

Senior UNIX Engineer with experience in the wireless telecommunications industry; Xen and KVM Hypervisor specialist with interest in engineering efficient, lower cost server environments.

Inspired by working with communicative, capable, and talented teammates, as well as computer related art – such as the demoscene.

Work Experience

Bittium Oy / Senior Specialist

March 2018 – Oct 2023, February/March 2024; Espoo, Finland

Medical Service & Maintenance Senior Specialist

Provided support and maintenance for Nutanix Platform backed Medical Services (75 servers); Revamped Medical platforms for Azure Cloud, legacy Nutanix, and remote (German) “Brainstatus” Unix platforms.

Maintained Python Nutanix tool to overcome shortcomings in Terraform Nutanix plugin.

Kept team aware of security related complications and provided potential solutions.

Senior Specialist, “Remppa” project

Brought Remotea Oy. software, hardware, and processes to Bittium; supporting the existing customer base.

Rebuilt back end in Python/flask; migrated unstructured, undocumented data to structured data.

Reviewed C, php, sql, javascript original source code; participated in reverse engineering of critical undocumented system code/binaries.

Supported (2nd level) hardware, system administration, emergency on call, and recovery of old Remotea system.

Migrated all services from 25 (non-identical) KVM/QEMU virtual machines to 4 Nutanix based virtual machines.

Remotea Oy / Senior Engineer

Sept 2017-March 2018, Espoo Finland

Adopted Remotea's medical platform and prepared systems for transfer in sale of business.

Nordic Telecom Oy / Senior Engineer

Feb 2013 - Apr 2015; Jun 2016 - Sept 2017, Espoo/Helsinki, Finland

Served in a multi discipline capacity, both as a senior telecommunications engineer and server operations engineer for Unix and DevOps.

Designed and deployed development and testing environments to Xen and KVM based virtual machines in office based data center.

Triapplo / Devops Scientist

Jun 2015 - Jun 2016, Helsinki

Designed Upgrade of Triapplo customer system in Laravel(PHP) and deployed to AWS (Amazon) cloud.

Oversaw all operations and development, remote and local (Helsinki, Bratislava, Mumbai,) for all Triapplo server and mobile applications.

Propoint, Academica Oy / Senior Engineer

Apr 2008 - Feb 2013, Helsinki

Senior Engineer for Unix systems, both customer facing and internal. Architect of Propoint cloud computing Xen cluster. Maintained and rewrote customer PHP sites. Performed forensics analysis of customer's compromised servers.

Prior Experience

1990 - 2008, AT&T, Nortel, Idealease, SendandSee; US, UK, FI

Worked in both the truck leasing and telecommunications industries, with significant experience in team management, wireless, and IT infrastructure.

Idealease: Manager of Operations, Idealnet; Marketing Manager; Systems Engineer (Akron, OH and Chicago IL, US)

AT&T Wireless: CDPD & GPRS Operations Team (Seattle, US)

Nortel: O2 GPRS Tiger Team (Slough, UK)

SendandSee: Engineering and Development (Espoo)

Additional Information

Native English Speaker; actively studying Finnish language with intent of gaining Finnish Citizenship. Hobbies include demoscene / computer art (well known in demoscene circles as a demoscene evangelist,) music, gardening, and vintage computing.