

Audin Malmin

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Skills

Leadership: 15 years experience managing a team of between 5 and 60 technical people - Programmers, Software Testers, Integration Engineers, Program Managers, Dev Ops, Network Ops, Security Analysts. A caring people manager able to balance human and business needs.

Customers / Partners / Vendors: 20 years of experience meeting and working with vendors, potential and current customers, partners, airlines, and governments. Technical and strategic.

Aviation: 20 years of experience working with onboard software systems and certification requirements. Extensive experience and success in minimizing the impact of certification on business processes. Experience "negotiating" with Boeing and Airbus.

Architecture: Extensive experience conceptualizing, designing, planning, anticipating side-effects, and prototyping complex aviation computing applications. Technical Specifications, Requirements, Interface Specification writing, reviewing contracts.

Integration: Extensive experience leading efforts to integrate complex systems involving new and old software and hardware from multiple parties

Networking: Extensive knowledge of IP networks, firewalls, caches, and satellite systems (S64, SBB, GX, EAN, Jupiter, Viasat, etc)

Operating Systems: UNIX (mostly Linux), Windows, OS X

Programming Languages: Perl, Java, C), SQL, PHP, Javascript, shell script, X11, etc

Hardware: research, selection, assembly, installation, troubleshooting and repair of microcontrollers, aircraft satcom, network hardware, etc

General: Extremely adept at troubleshooting complex systems; ability to quickly place issues into their wider context; good at anticipating problems; good liaison between technical and non-technical teams; ability to work either in a team or independently; quick and eager learner; easy going, flexible, adaptable, pragmatic, customer centric.

Work Experience

Senior Director, MCMS Platform, Viasat - Oct 2024 - present

My title changed but my role remained largely similar. The big challenges during this period were (and still are) helping the former members of both organizations learn to work together and finding structures and approaches that optimize for their strengths and minimize their weaknesses. For me personally, the Viasat organization is much more process heavy than any of the previous organizations I have worked within. So I have had the opportunity to learn to navigate this new kind of org and have also

maintained advocacy for more agile and efficient approaches wherever those make sense.

Senior Director, Aviation Platforms - Viasat - January 2023 - Oct 2024

Inmarsat was purchased by Viasat. I was heavily involved in both personnel/organizational discussions and decisions and technical ones. The migration project was delayed substantially as the two organizations started to come together and I was tasked with substantial rework to planning, approaches, and schedules to further condense the work once the new organization decided to move forward with it.

Senior Director, Aviation Platforms - Inmarsat - 2022 - 2024

I migrated further into a leadership role. 7 direct reports leading between 30 and 60 (varying through time) people in support of what had become the Multi Connectivity Management System (MCMS). Led the teams who designed and built the software and network architecture; ran the systems; provided the over-the-top services to both Airlines and Maritime shipping companies. During this period one of Inmarsat's key partners announced they were leaving the market. I led the technical effort to evaluate options to retain the impacted airlines. This included technical and strategic discussions with the partner on their existing solution, how it could be adjusted to interoperate with our own and how a migration schedule could be worked out. This also included internal scheduling, estimating, budgeting, staffing levels, alternative approaches and comparisons, and finding overlap with other projects for optimization.

Head of Solutions Architecture - Inmarsat - 2017 - 2021

I shifted focus to a split architecture and leadership role. Management of the AISM development, integration, and test teams - distributed between Seattle, London, and Geneva - and the site lead at the Inmarsat Seattle office. My role became more strategic - focusing on cultivating a team of people who could evolve and maintain what had by the become the MCMS system. This role also overlapped with the Pandemic. As both the site lead for the Seattle office and as the head of the AISM teams I played a key role in navigating the collapse of the aviation industry and the effects that produced within Inmarsat.

Systems Architect - Inmarsat - 2015 - 2017

Transitioned to a permanent Inmarsat position. Ran the AISM development project with internal and contract engineers - this included technical design, day to day coordination with the engineers, and contract and financial matters; coordinated the recruitment of the internal Inmarsat AISM development team - finding people, finding contractors, contract negotiations, managing the team, etc; lead the initial AISM airborne platform development - initial 4600 and 4608 hardware bring-up, etc; worked extensively on the initial QTR and ANZ airline fleet development and installation projects - trips to both Qatar and New Zealand in support; lead the process to

migrate away from contract engineers once the AISM was mostly complete and the internal Inmarsat team was large enough and mature enough to take over support in order to reduce costs; leading role in the siting, design, and build-out of the Inmarsat Seattle office - site selection, coordination with architects, landlord, contract negotiations, etc; played a key role in the EAN program - designing the software that allowed simultaneous use of two vastly different bearer types.

System Architect - contracting for Inmarsat - *OKB-1, LLC* - 2015

Migrated from Launch Brick Labs to my own OKB-1 consulting firm. Assisted Inmarsat with DLH initial planning and development from the ground up; helped run the ISP RFP and selection process; coordinated the production of and wrote most of the AISM requirements; helped run the external development approach AISM vendor RFP; helped run the internal development approach AISM contract vendor selection process; directly interfaced and worked with the final AISM contract vendor.

System Architect - contracting for Inmarsat - *Launch Brick Labs, LLC* - 2014 - 2015

"Worked on design and helped with development for two demo projects for Inmarsat: GX-Demo, a sales tool for use with airlines, and Flight Tracker, a prototype aircraft fleet mapping program also as a sales tool.

Developed the initial concepts for what later became AISM.

System Architect - *OnAir USA, Inc.* - 2005 - 2014

Designed and guided implementation of OnAir's nXt system which provides satellite Internet access to 100+ aircraft operated by Emirates, Singapore, and other global airlines. nXt provides a portal-style interface offering passengers news articles, airline information, destination information, and the ability to purchase Internet access. nXt is highly optimized to efficiently utilize a slow and expensive satellite-based network. I was the technical leader behind the design, planning, implementation, and deployment of the system. Additionally I headed the efforts to integrate the system on five third-party aircraft platforms from Boeing, Airbus, and IFE vendors, chairing weekly teleconferences with these companies, directing the software integration and performing the network and firewall integration personally.

I was the key system technical person for the organization. System planning (hardware, software, infrastructure) and design. Help with implementation in Perl, Java, various script languages. Troubleshooting of aircraft and ground systems. iptables, cisco routers, vlans, selinux, various virtualization systems, pppoe, isdn, Inmarsat satcom, ARINC 429 and 781.

Contract Programmer - *Ursus Technologies, Inc.* - August 2004 - 2005

Clearwire

Software planning, design, and implementation in Perl and PHP for a MySQL database driven web-based shopping cart and customer resource management system for a wireless internet provider. This includes interfacing with other services (both in and out of house), credit card transaction handling, report generation, wireless modem management, and user interface design. Unix system administration: shell scripting, backup, security monitoring, initial setup and configuration, email, web, firewalling.

SeaMobile

Implemented a system to automatically control a shipboard CDMA cellphone network. Personally wrote the software to use data from a radio 'sniffer' to dynamically find and select unused radio frequencies in order to avoid interference with nearby shore CDMA networks. Wrote the protocol handler from scratch to communicate with the radio hardware. Wrote a geographic control system to disable the system progressively as the ship approached known ports or specified 'off-limits' areas.

Programmer / Sysadmin - *GeneClinics / GeneTests, The University of Washington* - Jan 2001 - August 2004

Provide informatics support for the GeneClinics and GeneTests projects. Programming: Java Servlet and Applet development, Oracle SQLPlus, XML document handling with Java and XSLT, document handling with MediaWiki. Unix system administration: shell scripting, backup, security and hardware monitoring, initial setup and configuration. Windows sysadmin: support ~15 Windows machines. Samba administration. Network support: Run cable, purchase / install hardware, firewalling for three networks. General hardware and software help, support, research and purchasing decisions.

Education

Bachelor of Science, Computer Science, *The Evergreen State College*

Associate of Arts, *South Puget Sound Community College*

Personal Interests

In my free time I am an avid analog photographer. I have a large darkroom in my basement. I particularly enjoy early technologies such as Wet Plate Collodion.

I also enjoy working with my hands - maintaining my house, minor construction projects, wood-working, metal-working, 3d printing, working on my antique motorcycles, household electronics and computing projects - microcontrollers, home automation.

I am also fascinated by space flight, nuclear physics, arms control, archaeology, radio, philosophy, and pottery.