

Professional Profile

Experienced engineering manager and technology leader with a wide range of experience in different technologies and delivery environments. Strong people manager. Particularly good at cutting edge/high risk project management.

Professional Experience

SAP, Burlington, MA

July 2004 - Present

Director Research

Senior member of SAP's key innovation center that develops many of the new products and new technologies for products.

- Core member of the strategy team which reviewed / aligned / approved all project proposals across the 500+ person research group as well as formulating the technical strategy as a guide. This is essentially a highly technical product management function focused on 5-10 year horizon in IT.
- Entrepreneur in Residence. Formulated a product proposal and sold it to senior executives. Led the execution team as architect, project manager, product manager, documentation writer and QA. The software was one of the first cloud-based business apps in the company. Awaiting approval to release it as the first open source application from SAP. Project still ongoing and live in Beta. Implementation in Ruby/Rails 3.1, AWS, Ubuntu / MySQL. Developed using Scrum methodology and cloud-based development environment.
- Managed business development in the US including partnerships and academic ties. Managed the startup of a new lab in Montreal
- Principal Research in Homeland Security (supply chain, emergency management), cloud computing, open source software business models)

Nokia, Burlington, MA

August 2000 – July 2004

Director Development

Engineering manager of a large engineering team within Nokia's SMS/MMS organization. Delivered key products for MMS as well as Java middleware support for Smartphones as well as technical contributions that led to a patent application for this work.

Achievements:

- As software development manager helped design, ship and expand Nokia's first multimedia services offering through 3 versions of product Multimedia Terminal Gateway. This product had a significant positive impact on Nokia's initial mms market share.
 - Co-inventor on patent application covering the MTG technology
 - My team provided the 3rd line customer support for MTG at more than 50
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telecommunication companies worldwide

- Led the reorganization of the engineering team from a small group of 12 to a group of 50+ through transfers and hiring
- Led the enhancement of our software development processes to continually improve quality and predictability
- Led the reorganization of the 75 person multimedia business unit in Boston to a pure development (Java mobile platforms) group
- Pioneered the use of agile development methodologies in the Java platforms group

Responsibilities:

- Director Software Development
- Member Mobile Services Executive Team
- Member Java Platform Executive Team
- Director Multimedia Business Unit (Boston)

Technology

Development Experience

- Cloud / Web based development
- Agile project management methodologies
- Mobile and Speech Application
- Highly availability and reliability server systems in Java
- Business Applications

Technical Knowledge

- Languages: Ruby, C, Java, Javascript
- 3D Graphics including *several patents*
- RFID and Sensors
- OS: Ubuntu, Windows, Andriod, Symbian, Arduino Embedded
- GIS
- Robotics fundamentals
- Content development with Adobe Creative Suite

References

Available on Request

Related Interests

- Robotics coach FLL at International School of Boston
 - GIS Mapping (local trail maps using GPS breadcrumbs and state GIS data as source)
 - Avid baker with my own wood fired masonry oven
 - Open Source Linux software, particularly content management systems
 - Arduino-based and Android sensor/hardware projects
 - Video / Content Production (assisting the local CATV station)
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Job History

Open Market , Burlington, MA

August 1999 – August 2000

Director Software Development

Managed the development of one of the first web based e-Marketing products on the market in a start-up like environment

Voicetek / Aspect Telecommunications , Chelmsford, MA

1996-1999

Director Advanced Development

Managed the creation of a new engineering team to telco grade speech applications in the network. Shipped the first SS7 implementation and several network-based speech applications

Digital Equipment Corporation , Burlington, MA

1982-1996

Senior Software Engineering Manager

Started as principal engineer and was promoted several times eventually to senior engineering manager. Led the graphics software team for Digital's first 3D workstation including several patents in computer graphics.. Started and managed Digital's first Advanced Development team in software compilers and tools

Wang , Lowell, MA

1981-1982

Member Technical Staff

Member of the e-CAD team in Wang's startup VLSI group

Charter Data Services

1977-1979

Systems Analyst

Designed and programmed a number of special projects including the first electronic scheduling system for NBA basketball games

Education

Iowa State University 1982

MS Computer Science Thesis topic: *A Parallel Architecture for Hidden Surface Elimination*

University of Iowa 1976 / 1977

BS Computer Science, BA English

In addition to formal education I have had extensive management training with courses ranging from development methodologies to an intense training program for senior executives at Nokia.
