

Saved Enough to Retire? - Put your \$500k+ savings to the test. Use our fre



Connect

Message

Juha-Pekka Ahopelto · 3rd

Software Spelunker at Nectar

San Francisco Bay Area · 500+ connections · [Contact info](#)



Nectar Inc



Teknillinen korkeakoulu
Tekniska högskolan

About

To boldly go where no other bit head has gone before...

What makes me tick is building highly scalable distributed systems. I'm comfortable with almost all aspects of such systems - low level networking protocols, drivers and OS internals, routing, load balancers, distributed databases, caching, message buses, cloud services (Azure, AWS), application protocols, security, etc. I am also experienced in the processes of putting such systems together - working as a lead/architect/ic/liaison, integrating with 3rd party solutions, working with standards setting bodies (ETSI, IETF), agile, devops, etc.

Activity

560 followers

Posts Juha-Pekka created, shared, or commented on in the last 90 days are displayed here.

[See all activity](#)

Experience



Software Spelunker

Nectar Inc

Sep 2015 – Present · 5 yrs 7 mos

Palo Alto, CA

Nectar provides inventory management and analytics for the bar industry by way of internet connected smart caps. I'm solely responsible for developing and operating the cloud services that collect and analyze the data from the connected devices. The services also contain the business logic around managing the alcohol inventory in bars, like automatic depletion, reconciling order invoices and auditing. Implemented tooling around provisioning and debugging the cloud connected devices. Integrated 3rd party services like point-of-sale systems to provide additional data that is correlated with the data collected from the devices.

Established the best practices for running the services and integrated with the appropriate tooling - gitlab for CI/CD, AWS Cloud Watch + Data Dog for APM, log analytics and alerting and Pager Duty for managing alerts and escalations. Spearheaded agile and lean engineering practices based on Kanban and Scrum.

[see less](#)



Software Spelunker

Lyve

Oct 2014 – Sep 2015 · 1 yr

Cupertino

Lyve provided (now defunct) a solution to backup and access your media from any device you own while storing the media in the privacy and security of your own home in a network attached storage device.

The solution is based on a peer-to-peer mesh network among the customer's devices. Worked on the orchestration functionality that dictates the caching, backing up and creating thumbnails of the media objects stored in the mesh. The service also took care of authentication and rendezvous of the devices.

Implemented a geo search service using a Lucene index to help search for local events to share media with. Build infrastructure to efficiently store and query time series data using Cassandra wide rows.

[see less](#)



Senior Software Engineer

Microsoft

Jun 2008 – Oct 2014 · 6 yrs 5 mos

Sunnyvale

Was responsible for implementing a component that managed the data sessions between mobile devices and the cloud. Created client libraries for connecting apps to social networks.

Implemented a big data application that was used to provide analytics on the Tellme IVR platform. The application used Cassandra as the data store.

Implemented the protocol layer for a conversational understanding application. It provided a bidirectional streaming channels for audio from the client and for results from the service. The client was implemented for Xbox and the service side was implemented in Azure.

Worked on components for Microsoft Cortana that provide the reactive service capabilities (e.g. reacting to changing traffic conditions, airline delays, etc).

[see less](#)

Senior Software Engineer

Danger

Dec 2005 – May 2008 · 2 yrs 6 mos

Palo Alto, CA

Was responsible for a service component that connected mobile devices to the services cloud. The component would authenticate the devices and provide reliable queues and routing of messages between the mobile devices and the Danger cloud services.

SW Contractor

Silver Spring Networks

Oct 2005 – Nov 2005 · 2 mos

San Mateo

Specified and implemented a protocol that is used to collect metering data in a highly disruptive and high latency network.

Show 1 more experience 

Education

Teknillinen korkeakoulu-Tekniska högskolan

MSc, Technical Physics

1989 – 1995

Activities and Societies: Scuba diving club

Volunteer experience

Coach, mentor and lead for the robotics club

Bowman International School

Jun 2011 – Present · 9 yrs 10 mos

Education

Established the robotics club at the school (up to 35 students attending the club), negotiated funding, helped establish the curriculum, recruited coaches and mentors and coached the teams that competed in the FLL competitions.

Skills & endorsements

TCP/IP · 36

Hannu Flinck and 35 connections have given endorsements for this skill

Distributed Systems · 24

Endorsed by TJ Saunders, who is highly skilled at this

Endorsed by 10 of Juha-Pekka's colleagues at Microsoft

Unix · 21

Endorsed by Chris Mague and 2 others who are highly skilled at this

Endorsed by 8 of Juha-Pekka's colleagues at Microsoft

Show more

Recommendations

Received (3)

Given (12)

Matt Lanier

Infrastructure Engineering Leader (prod/corp/sec/data)

May 9, 2009, Juha-Pekka worked with Matt in the same group

At Danger, when there was an issue with the production serv we'd have to call engineers to get support at times. With som engineers, it was doubtful if the support would be timely, helpful, or even correct. With Juha-Pekka (JP), there was ne any doubt that he would answer the call, help us fig... See m


Kristoffer Nyberg

Software Designer at Nokia October 27, 2007, Kristoffer worked with Juha-Pekka in different groups

I worked with JP as a colleague for over 5 years. I remember as the guy that was assigned the tough tasks -- and delivere There is also something very positive about JP's attitude. Working with him is fun and easy. That makes putting in that extra effort sometimes needed a lot easier.

Show more 



 **Messaging** 