



## Davor Lukic

Senior full stack developer  
Senior Security Architect  
XPD AB

### Summary

With more than thirty years in the industry, Davor has encountered and solved most of the problems an IT-intensive business can face and always solves problems where others have given up. A structured approach with ongoing documentation in combination with his preference for mathematics, bases for well-thought-out alternative approaches and long-term sustainable solutions to customers' problems.

### Personal Profile

Davor has a solid experience of complex and transaction-intensive environments with high security requirements in most industries.

And advanced knowledge of several programming languages, high- as well as low-level, from Java, C, C ++, C # and Assembler to scripting, with an understanding of the network stack's disposition of applications, middleware, operating systems and transport paths. Which is often a prerequisite for design development of robust systems with high safety requirements, but also creates the right conditions for efficient testing and troubleshooting in mission-critical systems.

### Skills and expertise

**SYSTEM DEVELOPMENT**

**SYSTEM DESIGN**

**ARCHITECTURE**

**DATABASES**

### Specific areas of expertise

**PKI**

**KERBEROS**

**SECURE INTEGRATION**

**DEEP AND BROAD UNDERSTANDING OF ADFS / SAML AT THE  
PROTOCOL LEVEL**

**MANY YEARS OF EXPERIENCE IN AUTOMATION**



## **Other employments/Assignments**

### **HEAD OF DEVELOPMENT OF IT INFRASTRUCTURE AND IT SECURITY AT THE PUBLIC PROSECUTOR'S OFFICE 2019 - 2021**

Davor has been responsible for the planning, management and control of a specialist team with broad competence and responsibility for the design and improvement of IT security, performance and accessibility of all the authority's IT systems.

### **SPECIALIST, IT SECURITY UNIT PROSECUTOR'S OFFICE 2013 - 2019**

As an IT security specialist, Davor has reviewed the design of several systems and written reports on it. Davor has also programmed verifier components for SSO integration of existing systems, tools for troubleshooting everything from subtle network glitches to multi-wire checksum counters for various purposes with throughput of over 1GB/s.

Davor has also set up routines for key management in the new PKI for ÅM, and as a leading part of a team, reviewed, set up and managed HSM architecture (two different brands) and has participated in setting requirements for IT security in future e-Archive systems. and supervised developers in the design of exporting information from older e-archives.

Davor has POCat and been the project manager for the migration of a large system from Solaris to Linux, including the change of processor architecture.

### **CONSULTANT 2011 - 2013 THE PROSECUTOR'S OFFICE**

Davor designed and implemented web service components for the customer's case management system and re-designed and implemented an operating environment for the training of administrators.

### **CONSULTANT 2010 - 2011 MIKMEK AB**

Troubleshoot and fix mechanical problems with ticket printers for printer distributors. Cross-cutting troubleshooting among electronics, thermodynamics, programming and mechanical processing of steel. The printers were still in non-stop operation in the spring of 2017 at the check-in terminals for ships and aircraft throughout Scandinavia.

### **CONSULTANT 2008 - 2011 SHIPPING COMPANY**

Participated in porting a booking system from mainframe to Java. Designed and developed system for load simulation and performance analysis for the purpose. Secured the transaction handling as well as developed tailored drivers for printers, components for integration with web services etc.

### **CONSULTANT 2007 - ANONYM KUND**

Designed communication protocol for an industrial process monitoring system for a Swedish company. For the purpose built from the ground up tools for simulation of load and analysis of performance. Several car manufacturers, shipping companies and electricity producers still use the system today. This has given Davor solid insight into the design of near-real-time systems distributed across networks and their troubleshooting and performance analysis.



## **Education**

- High school education (Telecommunications)
- ADFS
- Commvault
- Sybase Adaptive Server
- Sybase Replication Server
- Windows NT4

## **Languages**

- Fluent Swedish in speech and writing
- Fluent Serbo-Croatian in speech and writing
- Fluent English in speech and writing