

# ALLAN A. B. THOMSEN

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## FREELANCE CONSULTANT

ENTERPRISE ARCHITECTURE ■ CLOUD SOLUTION ARCHITECTURE ■ DEVELOPMENT

Result-oriented architect with proven success in complex, multinational contexts, designing solutions and implementing them. Highly accomplished, visionary, and offering 35+ years of experience, with a wide range of IT skills.

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## PROFESSIONAL EXPERTISE

### Sixtus Technologies

2021/05-2022/02

Freelance: Cloud Solution Architecture

- Office 365 integration for GDPR-scanner
- Data extract from all O365 resource types
- Azure infrastructure using Bicep
- Zero Trust infrastructure setup
- Technical involvement included: Azure Function apps, Azure Container Instances, Azure Container registry, Azure Storage accounts, Azure Keyvault, Docker, GitLab, Bash, Python ...

### IKEA B.V.

2020/03-2022/12

Freelance: Cloud Solution Architecture, Security Architecture

- Cloud Business Office (CBO) foundation
- Hybrid cloud approach
- Capability overview and implementation
- Azure deployment framework developed
- AWS deployment framework developed
- AAD integration (SSO) to AWS and GCP
- Azure IaC using ARM and Terraform
- Connectivity Hub implemented using Transit Gateway and as IaC
- Atlassian backup and CMDB in AWS Batch
- Security and compliance, setup and monitoring services
- Cost management and reporting services
- Account vending
- Splunk and ServiceNow integration
- URL Shortener
- Central authentication and authorization service (OAuth/Split token)
- Technical involvement included: ITIL 4, Azure DevOps, Azure Security Centre, Azure Sentinel, Azure ARM, Azure AD, OAuth/SAML, Terraform, AWS CodePipeline, AWS CloudFormation, AWS CDK, AWS Security Hub, AWS GuardDuty, AWS Config, AWS Transit Gateway, AWS NW Firewall, AWS EKS, AWS Lambda, AWS ALB, AWS API Gateway, QuickSight, AWS Batch, AWS ECS/Fargate, AWS ECR, Docker, Jira/Confluence, SCRUM GitHub Enterprise, Bash, Python, Java ...

### IKEA B.V.

2019/08-2020/11

## Freelance: Security Architecture

- ▣ Security responsible for Hybrid Integration Platform (HIP)
- ▣ Implemented on premise, in Azure and in AWS
- ▣ Security advice at PCI-DSS level
- ▣ Penetration test coordination
- ▣ Automated AWS vulnerability scanning
- ▣ RedHat OS hardened to CIS L2
- ▣ Frameworks used included: NIST, CIS L2
- ▣ Technical involvement included: AWS Inspector, AWS ECR

## IKEA B.V.

2019/02-2020/05

### Freelance: AWS Cloud Architecture, Development

- ▣ AWS Infrastructure development
- ▣ Infrastructure as Code (IaC)
- ▣ Enterprise grade container platform for micro services (K8S)
- ▣ AWS Monitoring
- ▣ AWS deployment framework developed
- ▣ Technical involvement included: AWS CloudFormation, AWS EKS, AWS Lambda, AWS ALB/NLB, AWS APIGateway, AWS DocumentDB, AWS Redis, AWS ORACLE API GW, F5, ORACLE DB, Kubernetes, Istio, SignalFx, Jira/Confluence, GitHub Enterprise, Node.js, JAVA, Bash, Linux

## KeyCore P/S

2018/09-2019/01

### Employee: AWS Cloud Architecture

- ▣ AWS Landing zone setup for start-up company
- ▣ AD and multi account integration
- ▣ AWS infrastructure for pharma supplier company
- ▣ JAVA and Node.js support applications in AWS Lambda
- ▣ 2 x Atlassian JIRA and Confluence migration – server to cloud
- ▣ Architect on PHP project for customer administration and billing
- ▣ Technical involvement included: AWS services, Node.js, TypeScript, JAVA, YAML, JIRA/Confluence, Docker, Docker-compose, PHP

## Damco International B.V.

2015/01-2018/09

### Freelance: Solution Architecture, Security Architecture

- ▣ Member of Architecture board
- ▣ Solution architecture on multiple projects
- ▣ Designed and build ADFS solutions
- ▣ Build ADFS proxy for Microstrategy
- ▣ VBA integration to Quality Center
- ▣ Responsible for the SVN setup
- ▣ TeamCity responsible
- ▣ DevOps support for freight forwarding solution
- ▣ Part of the core team during IT restructure, after major security incident
- ▣ Build integration solution for Venture company (Twill-logistics.com)
- ▣ Worked with BCG to establish it in 20 weeks
- ▣ Oracle DB to Azure data lake integration using MS SSIS, using auto generated C# code
- ▣ Performance engineering on applications needing to scale up
- ▣ Handover, education and support to offshore teams

- ▣ Technical involvement included: Java, C#, SQL, JQuery, VBA, ADFS, ADAM (AD-LDS), ORACLE DB, WebLogic, Tomcat, WMQ, MS SQL Server, SSIS, Azure, Subversion, MS CDC for Oracle, BluJay TMFF, Quality Center, Service Now, Focal Point, AIX, Windows

### **Damco A/S**

**2012/04-2014/12**

Freelance: Technical Management, IT Delivery management

- ▣ Ensuring technical stability of worldwide Freight Forwarding system.
- ▣ The application was rolled out to 100+ countries, 2500+ users, in record time and within budget.
- ▣ Was appointed interim IT Delivery manager, holding both roles for 3 months
- ▣ Development of ad hoc solutions to support the COTS product
- ▣ Built VBA solutions, Web services, db extracts, monitoring scripts – operations quality
- ▣ Technical involvement included: Java, PL/SQL, SQL, VBA, MQ, Kewill KEF, Service Now, Focal Point, ORACLE DB, WebLogic, AIX, Windows

### **PenSam A/S**

**2009/10-2012/06**

Freelance/Employee: Section manager (people, programme and project), Enterprise Architecture

- ▣ Freelance analysis of data quality
- ▣ Hired to start a new data quality section.
- ▣ Later also appointed head of architecture.
- ▣ Grew the section from none to 9 employees and up to 20 external consultants from around the world
- ▣ Worked with the CIO, creating the IT-Strategy.
- ▣ Participated in IT-Governance
- ▣ Created an Enterprise Architecture based on OIO
- ▣ Performed complex contract negotiations, for COTS products and outsourcing.
- ▣ Worked closely with the BI section, to promote a full-blown Information Management programme
- ▣ Outlined the strategic architecture for Input management, ECM, CRM and BI.
- ▣ Created the first Data Warehouse in production
- ▣ Frameworks used included: SCRUM, ITIL, Appreciative and Situational leadership models, OIO, Gartner governance models

### **YouSee A/S**

**2009/01-2009/09**

Freelance: Enterprise Architecture, Project Management

- ▣ Hired to start an Enterprise Architecture initiative and manage the strategic plan towards phasing out a legacy ERP system.
- ▣ Worked with the CIO on IT strategy development, planning and communication.
- ▣ Established an “as is” and a “to be” application portfolio overview.
- ▣ Introduced SOA and “separation of concern” principles.
- ▣ Uncovered and initiated standardization initiatives needed in Change Management, System and Application architecture.
- ▣ Product evaluations and negotiations for various COTS products (CPQ, Billing, BPM, ESB and BAM).
- ▣ Participation in basic SSO introduction.
- ▣ Frameworks used included: SCRUM
- ▣ Technical involvement included: ORACLE performance analysis and tuning, WebLogic deployment, database and UNIX administration, OSS systems integration design, PL/SQL development and Salesforce (CRM) integration.

### **Maersk Data A/S - IBM A/S**

**2000/10-2009/01**

Freelance: Enterprise/System/Application/Infrastructure Architecture, Team/Project Management, Taskforce Lead

- ▣ At Maersk Data and IBM, the primary customer was Maersk Sealand, the largest carrier in the world.

- ▣ Participated in the team that started a 23 man EA, primarily staffed with external consultants. Implementing IT-Governance, Infrastructure Architecture, Application Architecture and delivery models.
- ▣ Managed an Architect team, responsible for creating a complete application framework.
- ▣ System Architect on the Next Generation Platform initiative.
- ▣ Lead Architect on the world's largest B2B eCommerce site.
- ▣ Participated in introduction of PDF security solution (Authentica).
- ▣ Participated in the design and development of a complete companywide SSO solution. Replacing the security implementation in several key products. (E.g. ORACLE WebLogic, ORACLE Tuxedo).
- ▣ Security Architect during migration, from Entrust GetAccess to home grown Kerberos based security solution.
- ▣ Lead several critical performance task forces, under enormous time pressure and management attention.  
All highly successful.
- ▣ Lead Architect on a critical project, destined for complete outsourcing. Maintenance and operations were successfully outsourced.
- ▣ Picking up and finalizing the ITIL service catalogue, for the complete operations organization.
- ▣ Frameworks used included: ITIL v2
- ▣ Technical involvement included: ORACLE performance tuning, Tuxedo tuning, SPNEGO security development, C++ and Pro\*C development, Veritas Enterprise Edition, Ksh and AWK scripting, SAN, Solaris, BEA Tuxedo, ORACLE, SQL, PL/SQL, IBM Websphere MQ, XML, Web Services, ClearCase, Windows, BEA AL WLI, BEA AL BPM, BEA WebLogic Portal., ORACLE CoreId, Avenida P-Mon

#### **TDC Kabel A/S**

**2000/09-2004/01**

Freelance: Performance Engineer, Lead Architect

- ▣ A number of ad-hoc tasks
- ▣ SQL and PL/SQL optimization
- ▣ Architectural guidance and education
- ▣ Technical involvement included: ORACLE, SQL, PL/SQL, C++, WebLogic

#### **Danish Foreign Ministry**

**2000/09-2000/10**

Freelance: Performance Engineer

- ▣ ORACLE performance tuning
- ▣ Technical involvement included: ORACLE

#### **DDE A/S (eHuset)**

**2000/09-2000/09**

Freelance: Developer

- ▣ C to C++ conversion of eCAD system.
- ▣ Technical involvement included: C++, Linux, UNIX, Windows

#### **TDC A/S**

**1999/08-2000/08**

Freelance: Developer

- ▣ C++ and JAVA optimization of memory management and multithreading in a client/server application.
- ▣ Technical involvement included: C++, JAVA, ORACLE, J2EE, SQL and PL/SQL

#### **RAMBØLL (Rambøll, Hannemann & Højlund A/S)**

**1998/01-1999/08**

Technical project management, Security Architect, Developer

- ▣ Technical project management on Kompass.com

- ▣ Security architecture and responsibility, including firewall configuration
- ▣ Troubleshooting networks
- ▣ ORACLE and MQ Series deployment on Sun Cluster
- ▣ ORACLE Procedural gateway development
- ▣ Project manager and developer of DB application for the Danish Foreign Ministry
- ▣ Pro\*C and PL/SQL development
- ▣ Technical involvement included: MQ Series, Sun Cluster, HTML, PL/SQL, C/C++, ORACLE RAC

### **Delta Software A/S**

**1986/01-1997/12**

Project management, Architect, Developer, Teacher

- ▣ Architecting and implementing Internet infrastructure, including firewall.
- ▣ Network and infrastructure Architecture
- ▣ Development of numerous technical applications
- ▣ Development of complex time registration application (DAN:TID)
- ▣ IBM platform integration – Mainframe-AS/400-S/36-PC
- ▣ Migration of RPG III system to dBXL for Fiat
- ▣ Automated Postscript reformatting (20000 drawings)
- ▣ Technical involvement included: C/C++, Assembler, Pascal, Clipper/dBXL, RPG III ORACLE, db\_vista, SNA, IBM and Cisco routers

### **KTAS A/S**

**1985/06-1986/01**

Sales representative, Developer

- ▣ Promoting IT and communication equipment
- ▣ Development of inter network solutions
- ▣ Technical involvement included: IBM PC, Pascal.

### **Lindhard Computer Systems ApS**

**1985/01-1985/06**

Developer

- ▣ Platform migration development in Fortran 77 on HP1000, Prime and Vax

## **EDUCATION/COURSES**

- 2020 – ITIL 4
- 2019 – OWASP 10
- 2018 - AWS Certified Solution Architect - Associate
- 2015 - Zachman certified Enterprise Architect
- 2011 - Situational management
- 2011 - Appreciative management
- 2004 - Walt Disney's creativity strategy
- 2004 - PL/SQL best practices
- 2003 - Oracle 10i
- 2002 - Oracle 9i
- 1999 - UNIX Administrator on SGI
- 1997 - E-Net – certified specialist at IBM

1996 - MQ Series - certified specialist at IBM

1984 - Math and Computer Science on Denmark's Technical University (2 semesters)



Born: 1965

Children: 4+1

Social status: Married