



# Ihor Zahorodnii

ENTERPRISE CLOUD ARCHITECT

## Profile

A highly motivated and results-driven Enterprise Cloud Architect with over 24 years of industry experience, specializing in designing and developing large-scale real-time data solutions for enterprises.

A proven track record of success in creating innovative solutions for leading organizations, including Microsoft, IKEA, Airbus, Databricks, Neo4j, Idera, Epicor, Platform9, and EPlan.

A multi-certified data and cloud architect, full-stack developer, and expert in artificial intelligence, machine learning, data science, data analytics, data management, big data, data transformation, and automation.

Successfully built and managed relationships with internal stakeholders and external stakeholders.

Demonstrated ability to effectively self-manage independent projects and collaborate as part of a high-performing team.

Actively involved in industry advancements and consistently adheres to best practices.

Academic background includes a Master's Degree in Computer Science.

## Employment History

### Enterprise Cloud Architect, IKEA, Copenhagen

NOVEMBER 2021 – PRESENT

- Spearheaded the development and execution of a corporate digital transformation strategy leveraging advanced analytics and AI. This initiative empowered data-driven decision-making across the organization, resulting in significant improvements including a 35% increase in operational efficiency, a 55% increase in data-driven decision-making itself, and a 25% improvement in customer experience scores.
- Directed the development of a comprehensive strategy and successful transformation to a new global ERP platform, provided by SAP. This initiative consolidated 15 legacy ERP systems, achieving significant improvements in core business process efficiency, global master data quality, and compliance control.
- Created and implemented enterprise-level strategies that enabled the successful adoption of public, private, and hybrid cloud solutions, resulting in optimized application performance, reduced IT costs, and enhanced agility.
- Designed and implemented a robust Enterprise Data Model (EDM), resulting in improved data integration and accessibility across the organization.
- Led the design and implementation of a comprehensive Enterprise Data Warehouse (EDW) that leverages Master Data Management (MDM) principles to ensure data quality and consistency. This includes the creation of Golden Records, serving as the central repository for all historical business data of the enterprise.
- Created real-time dashboards to monitor market trends and sales goals using Power BI.

## Details

Copenhagen

Denmark

+45 42551440

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## Links

[LinkedIn](#)

[Speech: Worldwide IT forum](#)

[Award: National Career Day of IT](#)

[Schedule Event](#)

## Skills

TOGAF, ISO 15704, ISO 19439, ArchiMate, Zachman

SAFe, ITIL, RUP, SDLC, Agile, PLM

ISO 42010, Enterprise Data Model, C4, 4+1, ERD, SOA, Business Process Analysis, BPMN

Anaplan, o9

Sparx Systems Enterprise Architect, IBM Rational System Architect, Visual Paradigm

Dependency and Structure Modelling, Design Structure Matrix (DSM)

Azure, AWS, GCP, Oracle Cloud, IBM Cloud

IaaS, PaaS, SaaS, FaaS, DaaS, CaaS, Serverless Computing

Cloud Adoption Framework, Cloud Native, AWS Well-Architected Framework, Azure Well-Architected Framework

Microsoft Fabric, Databricks, Google BigQuery, Snowflake, Amazon RedShift, Apache Spark, Hadoop, Hive

- Designed and implemented a comprehensive data management solution for IKEA, encompassing data governance, data architecture, data modeling, and design, data integration, data warehousing, business intelligence, and data quality, ensuring the organization's ability to derive actionable insights from its data assets.
- Migrated sales processes from several custom disconnected systems to a single place to track the entire sales process. Sales activity has increased by 43%. The sales team's productivity has increased by more than 35%. Implemented integration with tools responsible for project accounting, project management and resource management.
- Generated and maintained high-level integration architecture artifacts that adhered to the solution review and approval process, ensuring project compliance and alignment with organizational standards.
- Successfully built and managed relationships with internal stakeholders (business, management, teams) and external stakeholders (clients, vendors)
- Collaborated closely with solution architects and delivery leads, adhering to established solution guidelines, and delivering the overall project solution architecture according to desired specifications, ensuring project success.
- Implemented FinOps framework, resulting in a 55% reduction in cloud costs.
- Organized and led workshops for training,

## Enterprise Cloud Architect, Platform9 , San Francisco

SEPTEMBER 2019 – NOVEMBER 2021

- Directed the creation and implementation of a comprehensive architecture strategy for Platform9, aligning with stakeholders' needs.
- Designed and developed an event-driven, multi-cloud all-in-one Platform9 solution that enhances cloud-native process management and optimization across diverse infrastructure environments.
- Developed the Data Warehouse with Azure Synapse Analytic. Created integration based on Azure Data Factory with data sources. Created an entity-relationship diagram (ERD), defined data types, developed normalization rules to ensure data integrity, created data dictionaries. Developed data modeling that represents the customer database and on-demand cloud services.
- Led the development of an AI-powered enterprise-grade scalable data solution that enables proactive security threat prediction, recommendation generation, and continuous improvement using Databricks and real-time data pipelines.
- Effectively managed internal and external communication channels to foster a cohesive understanding of business objectives and integration strategies.
- Designed and implemented a comprehensive management and monitoring framework for Microsoft Azure, AWS, GCP, and Platform9, enabling seamless cluster import and instant deployment from various platforms.
- Designed and implemented scalable Kafka-based solutions using Self-managed Kafka, Local Kafka, Kafka as a service, and serverless implementations in .NET and Java, integrating Kafka Connect, ksqldb, Streams, schema registry, and custom implementations for data processing and analytics.
- Authored comprehensive white papers, business, and technical project documentation, ensuring clear communication and documentation of project objectives, strategies, and outcomes.

Master Data Management, Data Vault, DAMA-DMBOK, Data Mesh, Kimball DW/BI Lifecycle, Dimensional modeling, Data Science

Microservices Architecture

C/C++/Assembler

.NET, .NET Core, C#, ASP.NET, Web Api

Java (JEE), Kotlin, Spring, Hibernate, Struts

Python, Django, Conda

Golang, Gin/Gin-Gonic, Beego

SQL, GraphQL, LINQ, Cypher, Gremlin

Sybase, Oracle, MS SQL, PostgreSQL

MongoDB, CouchDB, Redis

Neo4j Graph Database, InfluxDB

Kubernetes, Openshift, EKS, AKS, GKE, kOps, Docker

Apache Kafka, Azure Service Bus, Azure Event Grid, AWS MQ, AWS SNS/SQS, Google Pub/Sub, RabbitMQ, RedHat AMQ

Amazon Cloud Search, Elasticsearch

Terraform, Bicep, Ansible, Azure DevOps, GitLab, Bitbucket pipelines, Jenkins

Artificial intelligence, Machine Learning, Tensorflow, BERT, Kubeflow

Power BI, Tableau, Knime, Alteryx, Microsoft Power Platform, Google Looker Studio

SAP, Epicor, NetSuite, QuickBooks

Salesforce, Dynamics 365 Sales Hub/CRM, Genesys

Microsoft Dynamics 365, Microsoft Graph API

- Implemented an enterprise-wide security strategy that significantly enhanced data and system protection while effectively mitigating risks and strengthening overall security posture.

## Cloud Architect, Gryd Dynamics, New York

APRIL 2018 – SEPTEMBER 2019

- Proactively crafted and guided the architecture strategy for GrydDynamics, ensuring alignment with stakeholder needs.
- Collaborated with a research project to design and develop a data quality management solution for airplane building, resulting in significant process improvements of up to 200%.
- Led the creation of data quality management solutions for enterprise, achieving enhanced data accuracy and integrity across diverse data types and volumes.
- Conceptualized, designed, and developed an enterprise integration solution that seamlessly integrates SAP, Microsoft Dynamics 365, AutoCAD, SolidWorks, and EPlan Electric P8, streamlining business processes and fostering data exchange.
- Demonstrated exceptional sales acumen by identifying, pursuing, and maximizing sales opportunities, contributing to a 50% increase in sales and a 120% expansion of the customer base.
- Efficiently managed projects and team members, actively participating in daily meetings, making strategic architecture decisions, and conducting code reviews to ensure project success.
- Proficiency in developing and deploying complex infrastructures as code (IaS) solutions using Terraform, Ansible, AWS CloudFormation, Pulumi, and Bicep, enabling rapid and consistent infrastructure provisioning.
- Designed, built, and maintained highly efficient and reliable data pipelines that seamlessly transfer data across various platforms, including applications, databases, data warehouses, and BI tools.
- Contributed to the development of Kafka Producer/Consumer Microservices, leveraging Kafka's distributed architecture to ensure scalability and fault tolerance.

## Cloud Architect, Idera, Austin

NOVEMBER 2016 – APRIL 2018

- Spearheaded the development of comprehensive business requirements, translating them into well-defined written requirements and user stories that effectively guide development sprints.
- Orchestrated a successful product lifecycle, meticulously aligning product development with business objectives and continuously monitoring key performance indicators (KPIs) to ensure desired outcomes were achieved.
- Forged seamless collaboration with product and customer success teams, actively gathering and incorporating user feedback to refine product requirements and enhance user experience.
- Efficiently bridged the gap between business requirements and technical implementation, working closely with architects and developers to translate business needs into actionable technical designs.

HL7 FHIR, ISO 45001

SolidWorks, AutoCAD, EPLAN  
Electric P8

ISO/IEC 12207, ISO 8000

ISO/IEC 27001, ISO/IEC  
17826:2022

Azure Boards, Jira, Confluence

## **Solution Architect, innRoad, New York**

FEBRUARY 2014 – OCTOBER 2016

- Masterfully designed and developed the comprehensive architecture of the InnRoad solution, ensuring its scalability and adaptability to future needs.
- Crafted a robust Property Management System that streamlined property operations and enhanced overall efficiency.
- Seamlessly integrated the solution with Microsoft Dynamics for the BI platform, enabling data-driven decision-making and enhanced business insights.
- Leveraging Azure Cloud technologies, achieved seamless integration with the Microsoft Graph API, fostering data exchange and accessibility.
- Implemented robust security measures and data protection protocols to safeguard sensitive information and comply with industry standards.
- Orchestrated the intricate process of data migration and transformation, ensuring seamless data flow and consistency across the system.
- Designed and implemented a comprehensive suite of services and APIs to power the InnRoad solution, utilizing various techniques to optimize performance and scalability.

## **Senior Software Developer, Accuhealth, McAllen**

JUNE 2009 – FEBRUARY 2014

- Designed and developed cutting-edge Telemedicine and telemonitoring solutions that adhered to stringent HIPAA, HL7, and FHIR standards, ensuring secure and seamless patient care.
- Efficiently collaborated with front-end developers and other team members to define project objectives and create functional, cohesive codes that enhanced user experience and facilitated remote patient monitoring.
- Continuously monitored industry developments and trends, generating innovative ideas for new programs, products, and features that expanded the telemedicine solution's capabilities.
- Stepped up as a project leader whenever necessary, demonstrating exceptional leadership skills and the ability to effectively manage and execute projects of varying complexities.

## **Software Developer, Miratech Group, New York**

JULY 2001 – JUNE 2009

- Proactively designed and integrated business processes and data flows between Microsoft Dynamics CRM and Epicor iScala, streamlining operations and enhancing data exchange.
- Successfully developed new features for the GlauX Soft AG platform, expanding the platform's capabilities and enhancing its value for Swiss Post.
- Produced comprehensive technical design documents and rapid proof-of-concept prototypes to ensure project feasibility and adherence to requirements.
- Efficiently collaborated with software developers, business analysts, and software architects to plan, design, develop, test, and maintain business applications, ensuring seamless project execution and delivery.
- Crafted an intuitive and user-friendly Internet banking platform that enables customers to manage their accounts, transfer funds, and access essential financial services.

- Leveraging deep expertise in infrastructure development, established a secure and compliant IT environment for financial organizations.
- Proposed and implemented a comprehensive security solution for the financial sector, aligning with the stringent ISO/IEC 27001 standards.

## Education

### Data Science: Statistics and R, Harvard University, Cambridge, United States

Activities and societies: Statistical inference in order to understand and compute p-values and confidence intervals, all while analyzing data with R

### Data Science: Inference and Modeling, Harvard University, Cambridge, United States

Activities and societies: Data analysis in R, from simple computations to machine learning, confidence intervals and p-values, Bayesian modeling

### Master's Degree, Computer Science, Zhytomyr State Technological University, Ukraine

Graduated with High Honors

## Certification

### AWS Skill Center, AWS Training and Certification, Seattle

### Developing Microsoft Azure Solutions , Microsoft

### Building Neo4j Applications with Python, Neo4j GraphAcademy

### Graph Data Modeling Fundamentals, Neo4j GraphAcademy

### Programming in C#, Microsoft

### GCP, Google

### AWS Cloud, AWS Training and Certification, Seattle

## Awards

### National Career Day of IT, worldwide conference, San Francisco

The best developer in Mobile, Web, and Desktop category and top 1% developer

## Publications

### Creation of the system of interactive geological modeling in the internet

Abstracts book of the IV International Scientific Conference of students and young scientists "Ecology. Human. Society »

## Courses

### Network and Database Security, IBM

### High-Dimensional Data Analysis, Harvard