Thomas Edstrom
Solution Architect

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I begin with the big picture. I end with the execution and implementation of highly performant teams creating world class enterprise level architecture. Let's build something world changing together.

Certifications

- Microsoft Certified: Azure Developer Associate
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified: Azure Fundamentals
- AWS Certified Solutions Architect Associate
- AWS Certified Cloud Practitioner
- Certified SAFe 5 Practitioner

- LaunchDarkly Bronze Developer Certification
- LaunchDarkly Silver Developer Certification
- LaunchDarkly Gold Developer Certification
- LaunchDarkly Platinum Developer Certification
- Microsoft Certified: Power Platform Fundamentals
- Microsoft Certified: Power Platform App Maker Associate

Professional History

HEADSTORM CONSULTING *Dallas, TX*
Consulting for Fortune 100 companies focused on system design and optimization

Solutions Architect 1 – May 2021 – Jan. 2023, Architect 2 - Jan. 2023 - Jan. 2024
- Head architect for designing enterprise scale Azure Kubernetes (AKS) micro services for a Microsoft partnership with Bayer to create the premier release of the Azure Data Management for Agriculture (ADMA) offering
- Created framework for XDO (Extreme DevOps) assessments centered around Testing in Production while reducing cloud spend
- Spearheaded creating platinum partnership with LaunchDarkly for implementing feature flagging
- Defined 5 year strategy for optimizing and reducing spend by $15.5M for a Fortune 100 EHR company
- Designed serverless, multi-tenant, multi-application hosting architecture in AWS for a natural sciences multi-billion dollar startup
- Head of Headstorm's internal Architecture Group

CANYON TRAIL CONSULTING *(Topographic) Dallas, TX*
Freelance consulting for SME application design and implementation

Sub-Contracted Architect – Aug. 2020 – May 2021
- Full-stack green-field development for time-tracking/invoicing/customer-project-management infrastructure for Topographic, a national land surveying company
- Built on GCP, using CircleCI with Pulumi on Docker with .NET core, React, TypeScript, GraphQl, and Material.io themed
- Followed a strict TDD process (using XUnit and Jest.js) along with DDD and CQRS architecture styles, using Storybook.js to support atomic design

CENTAURUS CONSULTING *(Brierley Project) Dallas, TX*
Hyderabad based consulting firm focusing on digital transformations and the automation of all technologies

Lead Solution Architect – Jan. 2020 – Aug. 2020
- Unblocked 8-month data design negotiations stalemate within 2 weeks of joining
- Responsible for delivering a workable product with client sign off within 4 months (2 months past its deadline) that was reportedly 8 months in and 8 months behind schedule
- Accountable for all technical architectural aspects of the project including design, documentation, presentation, review and ultimate sign off of key deliverables by the client
- Designed scalable (AWS, Kubernetes, Istio), multi-tenant (Postgres), cloud-agnostic/native (Terraform), event-driven (Kafka), micro-service (.NET/Java) architecture with inline-autogenerated documentation (Swagger), quality gates (Sonar), CI/CD (Jenkins) and continuous monitoring (New Relic/Cloud Watch)
- Designed and implemented OpenID Connect with PKCE for multi-tenant setup using IdentityServer4

- Designed and helped implement configurable business logic using Drools and Airflow
- Drove TDD initiative and helped raise coverage from 30% to 80%
- Hired architecture team, started the architectural review board, and started the architect book club (covering Accelerate)
- Helped grow the engineering team from 40 to over 130 engineers

YPO *Dallas, TX*
A global social networking organization comprising membership of CEO's from around the world

Head Architect – Oct. 2019 – Jan. 2020
- Created/maintained/planned the architectural roadmap starting with 1 month forecasts and expanding to the next 2 years
- Designed underlying Azure architecture (API Management, Traffic Manager, Service Bus, Event Grid, Functions, Data Factory, Search, SQL, File Storage, SignalR, Key Vault, Application Insights, DevOps) distributed across 3 regions globally, supporting web (Vue), iOS (Swift) and Android apps
- 2.5 months working in Hyderabad with 50+ engineers across 7 teams
- Acting Scrum Master for the Architecture Team
- Oversaw and provided sign off for 3rd party architectural integrations
- Designed/setup AB UI testing process for incremental rollouts
- Thorough documentation of current systems and re-architecting of integration points.
- Redesigned SalesForce + Azure SQL multi-master monster, reducing logged errors from 100k+ down to 100's
- Started and ran a weekly Architectural Address to 30-40 stakeholders across multiple departments

Team Lead – Oct. 2018 – Oct. 2019
- Coached, mentored and built teams of 4-8 engineers at a time (2-3 QE, 1-2 PO, and 1 SM), 4 teams total
- 2 Months in Hyderabad, India on-boarding 30+ engineers
- Technical advisor and designer of Microsoft Azure solutions working closely with our MS reps
- 1 week in Cape Town presenting/demonstrating/explaining our globally distributed social networking platform at GLC (Global Leadership Conference for 3,000+ CEO's worldwide)
- Set up branching strategy that was crucial in increasing deployments from every 2 weeks down to every day
- Set up code quality analysis and gates using Sonar Cloud/Qube
- Migrated platform wide Azure Functions V1 to V2 on .NET Standard with .NET Core 2.1

Web Application Developer – Oct. 2017 – Oct. 2018
- Ground level member of a team of 6 responsible for architecting the rewrite of YPO's social networking platform
- WCF migrations to Restful API's using Azure Functions V1 with .NET 4.7
- Migrated search from Solr to Azure Search, responsible for design, indexing and incremental optimizations
- Designed/implemented integrations with Azure EventGrid and ServiceBus
- Designed data model for new platform using CosmosDB with Gremlin and Cassandra API's

MATRIX RESOURCES & TE CONSULTING *Dallas, TX*
Freelance consulting and projects with Matrix Resources

VariVerge Mail Pre-Sorting (MATRIX) – Jan. 2017 – Oct. 2017
- Full-stack development with .NET, Knockout, React, and Angular
- Integrated USPS API's for parcel tracking (on the magnitude of 3-15 million transactions per day)
- Setup of email notifications using SendGrid and Razor templating with notifications using SignalR

D'Andra Simmons (Real Housewives of Dallas) – June 2017 – July 2018
- Migrated Shopify (Ruby based Liquid templating) account to Wordpress
- Selected/created WP plugins for loyalty programs, email notifications/templating, and custom components

Norrell Construction (MATRIX) – Mar. 2017 – July 2017
- Designed/implemented full UX for internal HR and benefits portal using Wordpress
- Created multi-stage testing environments with CI/CD through Docker and Dokku

Full-Stack Consultant II (MATRIX) – Dec. 2016 – Oct. 2017
- Created and negotiated SOW's with small business clients
- Full-stack design and development including on-prem servers and migrating services to Azure
- Worked across a range of technologies including .NET, the MEAN stack, Wordpress, Shopify, and .NET MVC/React/Knockout

Yellow 7 – Nov. 2016 – Dec. 2016
- Created custom content and WP plugin's heavily using roots.io, offered full-time before end of contract

Education

Coding Dojo – *July 2016 – Oct. 2016 Dallas, TX - Graduate with Honors*
- 3 Full-stacks covered (Python/Pylot/Django/Flask, Ruby on Rails, MEAN) over 3.5 months

Belmont University – *July 2007 – Dec. 2009 Nashville, TN*
- Bachelor of Science in Audio Engineering Technology