

THARWAT ABDUL-MALIK
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PROFESSIONAL SUMMARY

Innovative Technology Leader with a proven ability to architect large, complex and high-performance applications and technical innovations. Handle both the business and technology capabilities while interfacing equally with senior management and individual contributors with excellent client-facing skills. Excels at merging business need and technology into high-quality, cost-effective design solutions.

SKILLS

REST APIs • Microservices Architecture • DevOps • Agile Methodologies • SOA • Enterprise Architecture • Integration • Messaging • Cryptocurrency • Bitcoin • Blockchain • Ethereum • Hyperledger • Smart Contracts • Start-ups • Mobile Technology • iOS/Android Development • Cloud Computing • Big Data/Predictive Analytics • Innovation

EXPERIENCE

Blockchain 24x7 Consulting - Atlanta, GA (blockchain24x7.com) 01/2016 to Present
Self Employed Consultant

- Provide technical mentoring and direction on Blockchain technology
- Created proof-of-concepts/prototypes using Ethereum, Hyperledger, and Sawtooth
- Created smart contracts using Solidity
- Implemented cryptocurrency for gaming. Allow players to buy, sell, trade and win tokens in several games.
- Created documentation for setting up transaction and miner nodes on AWS.
- In the process of creating training for launching an ICO and for creating a DAO.
- Participated in discussions at Meetups in St. Louis, Atlanta and Chicago on Ethereum, smart contracts and blockchain technology.
- Moonlighting/part-time now full-time

Monsanto – St. Louis, MO (monsanto.com) 09/2016 to 12/2017
Contractor – API Engagement Architect

- Completed seed-to-supply supply tracking pilot with Hyperledger Sawtooth. Demonstrated tracking seed through retail using blockchain, including transfer of assets and changing ownership, transfer to custodian and maintaining ownership, location tracking, IoT sensor tracking. And implemented REST API.

- Primary responsibility involves socializing the “API First” strategies. Evangelize and drive alignment on the adoption and realization of the architectures around APIs and microservices. Partner with business leaders, technology leaders and agile teams on all levels to gain support and adoption of the API strategy and vision.
- Lead the development of an Integration Patterns & Best Practices deliverable.
- Provide technical and architecture consulting to business and technical teams.
- Successfully provided the architecture for exposing SAP (and other backend systems) via authenticated API access. Lead a team to completion of a successful proof-of-concept. And identified several enterprise level architecture concerns for the ACS2 projects. The patterns are being reused for several other projects.
- Delivered the architecture around the use of APIs to leverage microservices and the reduction of the technical debt for SAP and legacy middleware systems.
- Evaluated vendors to provide transformation and B2B connectivity via APIs. Reducing the reliance on older legacy technology. Investigate sunseting/end-of-life for some legacy middleware.
- Participated in the evaluation of vendors to implement Hybris. Provided support to in-house architects on Hybris, microservices, data360 assets and other integration and connection concerns.
- Participated in Investment Review Board meetings to represent architecture, vendor selection and other concerns.

Brown Skin Games Inc - Marietta, GA (brownskingames.com)

12/2015 to 09/2016

Co-Founder/Chief Architect

- Supports fundraising efforts by providing an authoritative and seasoned perspective on the technology dimensions. Conduct research to remain up-to-date and knowledgeable in regard to industry trends and emerging technologies. Hire a team of offshore software developers, architects, graphics designers and game designers. Negotiate agreements with celebrities, partners, and vendors. Published 10 games on iTunes and Web in less than one year.

Sharecare Inc - Atlanta, GA (sharecare.com)

07/2013 to 07/2016

Contractor - Enterprise Integration Architect

- Primary responsibility was the definition of a next-generation service-oriented architecture and integrating newly acquired companies with best-of-breed technology back into the Sharecare architecture. Defined the strategy around the creation of a public facing APIs to access the core capabilities of new acquisitions both for internal and external access. Adding a “product” to existing service companies. PoC of API management tool to manages access to API; throttling, usage, security, registration/signup/subscriptions, rules and governance of API lifecycle. API documented using Swagger. Created REST interfaces for existing core application and 3rd party SOAP services. Defined integration pattern best practices. Consulted with management and leadership team. Created and delivered a presentation to sell API (as a product) idea to Bactes leadership team and Sharecare’s CEO. Including detailing several business models for monetizing the API. Built predictive analytics platform and recommendation engine for content recommendation across all Sharecare products.

American Express TRS - Phoenix, AZ (americanexpress.com)

03/2013 to 05/2013

Contractor - Enterprise Architect

- Worked directly with business and program management team to review and evaluate vendors for the Encore projects. Hired by the program management team to close a technical gap and bridge the internal technical team and the business team. Primary responsibility was to evaluate the technical presentations, proposal responses and other detailed background information along with vendor due diligence for a new agency desktop for Platinum/Centurion card member travel.

Mr. Arlo Inc - Atlanta, GA

08/2012 to 03/2013

Contractor - Chief Technology Officer

- Responsible for ensuring the successful management and execution of technology strategy. Strategically lead emerging technology efforts to ensure the creation of a best-in-class technology organization. Developed and maintained technology architecture and methodologies/best practices. And owned roadmap. Lead R&D of proprietary recommendation, personalization, predictive analytics and machine learning technologies that drove adaptive, personalized travel services. Implemented automated recommendation and machine learning solutions as well as related technology areas, such as rules engines, graph theory, knowledge ontologies, and various areas of probability and statistics.

Travelport Inc - Atlanta, GA (travelport.com)

08/2009 to 08/2012

Fellow - Sr. Director Enterprise Architecture

- Provided technical leadership for a services-oriented architecture, technical oversight for several key projects, adaptive architecture design, IT strategy, research & development, the formation of partnerships among clients and vendors, participating in architecture reviews, managing technical risks, providing thought-leadership and leading a team of enterprise architects. Led a direct team as well as matrixed resources and ensures adherence to quality standards and reviews enterprise architecture deliverables. Led the creation and evolution of the enterprise architecture function/program including coordination of enterprise business, information, technology, and data architecture. Supported and liaised with the CIO and senior leadership team to ensure both business & technical applications and processes are in complete alignment with strategic objectives and initiatives. Analyzed the travel technology industry and market trends with the focus on strategic use of emerging technologies to better manage the enterprise's information and to determine if investigated technology is useful to achieve enterprise strategic goals. Facilitated the establishment and implementation of standards and guidelines that direct the design of technology solutions, including architecting and implementing solutions requiring integration of multiple platforms across the enterprise.

McKesson - Alpharetta, GA (mckesson.com)

01/2009 to 08/2009

Contractor - Software Architect

- Coordinated the overall technical design, development, and frontline support of MAPS (mobile, alerting and portal systems). Participated in the complete life cycle of an applications – requirements gathering, design/architecture, development resource assignment, testing, deployment, troubleshooting, and support. Provided technical recommendations for performance issues including application integration optimization, platform hardware analysis, architecture optimization techniques, and performance troubleshooting techniques.

Researched and developed the best practices to maintain the integrity of the data and insure practices were incorporated into existing policies and procedures.

HSN, St. Petersburg, FL (hsn.com)

07/2007 to 12/2008

Software Architect/Senior Software Engineer

- Developed software for several key components of the HSN back office processes. Worked with service-based architecture to extract and transform data into XML formats. Built and presented a prototype to introduce SOA using MULE ESB along with IBM MQ Series.

Avomi - Myrtle Beach, SC.

12/2006 to 07/2007

Contractor – Architect / Project Manager

- Built a recruiting/social networking site. Managed entire product from inception to deployment, including requirements gathering, architecture, development, testing, business planning and marketing research. Managed local and offshore developers.

Alere/Matria Healthcare, Atlanta, GA. (alere.com)

02/2005 to 08/2006

Contractor - Software Architect

- Worked on architecture for a Physician Critical Care Alerting application. Delivered alerts to doctor when patients missed care and/or misused medications. Created a rules-based application for identifying disease management and wellness program referrals.

Bellsouth Corporation, Atlanta, GA

10/2004 to 02/2005

Contractor - Software Architect / Lead Developer

- Worked in Next Generation Application Group. Developed a custom audio/video softphone. Assisted management with technology-related decision making and technical advice.

Pharr Consulting, Atlanta, GA

07/2003-08/2004

Contractor - Senior Architect / Developer / Project Manager

- Led a team of four engineers in the development of a high-performance online poker site. Managed an off-shore team of six engineers based in Montreal. Deployed and managed development, testing, and production systems. Led the gradual migration from startup chaos to reasonable software development practices, reducing risks and improving quality while retaining rapid development response times.

Vodafone, London, England (vodafone.com)

05/2001 to 03/2003

Contractor - Senior Architect

- Billion dollar wireless (mobile-focus and multi-access) portal implementation. Implemented an architecture that enabled customers to access mobile content services in a consistent format throughout Europe across a range of devices. Hands-on architecture and design of several key components of the portal. Performed application tuning.

Weather.com, Atlanta, GA (weather.com)

07/2000 to 03/2001

Contractor - Architect / Developer

- Worked on architecture for a total redesign and re-engineering effort. Hands-on development of several key components of the architecture. Several components are still in production as of

2017. Played a key role in creating development methodology, implementing RUP and performing design/code reviews. Performed application tuning.

Ztel Communications, Atlanta, GA

06/1998 to 04/2000

Contractor - Senior Architect / Team Lead

- Designed and implemented a scalable architecture and unified messaging product. Built the team, hired developers, mentored and personally coded CORBA framework, management services, logging, monitoring services, customer provisioning, customer care and other key CORBA services. Tuned performance. Build/deploy script development.

Raytheon/Hughes STX, Lanham, MD (raytheon.com)

08/1997 to 05/1998

Contractor - Lead Developer

- Developed a distributed military airspace management system for use by the armed forces and FAA to manage and reserve airspace. Designed and coded communications (MOM) frameworks, several high-performance Java server applications, designed and developed security components for this highly sensitive application. Tuned performance.

EDUCATION

University of Hawaii - Honolulu, HI

Completed two years towards BS in Computer Science