



BRAD ARNST

Pragmatic Senior IT Architect and Leader

Driving Innovation, Transformation, Strategy and Engineering Excellence.

Steers strategic and technical directions, crafting optimal designs and architectures. Seamlessly spearheads digital transformation and drives team collaboration towards peak performance.

An expert in architecting, designing, and leading with a focus on motivation and unity. Boasts broad, hands-on expertise and leadership across enterprise, solutions, and technical domains. Champions agile practices, blending best practices with innovation. Versatile across industries, employing diverse methodologies, platforms, and systems for exceptional outcomes. Skilled in navigating startups, established companies, and global enterprises across EMEA, the Americas, and Asia-Pacific. Proficient in on-shore, offshore, and remote operations.

CONTACT

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SKILLS & PROFICIENCY

Professional and Personal

Architecture Strategy and Design: Expert in diverse architectural methodologies, leading innovative strategies, and crafting transformation roadmaps. Skilled in tactical problem-solving and driving business progress through meticulous planning and alignment of business and technical visions. Proficient in transformation, integration, and future-ready design.

Engineering Leadership: Demonstrates empathetic and servant leadership, excelling in mentoring, motivating, and fostering outstanding team performance. Proven track record in team development and talent acquisition.

Consulting and Engagement: Proficient in internal and external consulting, adept at stakeholder negotiation and persuasion. Engages with all organizational levels using both informal and formal communication strategies, including humor, documentation, and presentations.

Team Collaboration and Communication: Highly self-motivated, yet excels in team settings by promoting inclusivity and idea generation. An effective communicator who fosters relationships and nurtures team dynamics.

Creative and Analytical: Combines a creative mindset with pragmatic decision-making and analytical skills. Ensures the best, situation-appropriate ideas are identified and implemented through a collaborative approach.

Pragmatic and Decisive: Approach ensures swift action on the right ideas through a blend of pragmatism and decisiveness.

Technical

Architecture: Enterprise, Solutions, Infrastructure, Integration, Technology, Software.

Design of cloud, systems, platforms, services, software, DevOps, web, mobile, network, testing, operations.

DevOps, infrastructure as code (IaC), delivery pipelines, CI/CD.

Development: Javascript, Node.js, HTML, CSS, Sass, TailwindCSS, React, Python, git.

Docker, Kubernetes, ECS, Ansible, Terraform, Chef, Puppet, Jenkins, CircleCI.

Cloud. AWS. Azure. Google Cloud Platform. Hybrid clouds.

Delivery/Project management, SDLC, agile methodologies and ways of working. Jira, Kanban, Trello, Slack(integration).

Design/Architecture documentation. UML, UML diagrams as code (PlantUML, etc.), Sparx, Visual Paradigm.

Microservices architecture/patterns, API First, REST, event-driven, domain driven design.

Data modeling, database design, SQL, NoSQL, graph, document-oriented, JSON, storage, data cache, data streaming, data migration, ETL.

API: strategy, design, modeling, management, SDLC, best practice, API First, Swagger, OpenAPI.

API Gateway/Management: Apigee, Mulesoft, 3scale, AWS, Kong.

Integration, Enterprise Integration Patterns, messaging, message queues, data streams, ESB.

Messaging, JMS, AMQP, MQ, Kafka, Qpid, RabbitMQ.

Big Data, analytics, BI, search, Elasticsearch.

Lead, architect, design: Java, Spring, .NET, web, Node.js, PHP, front-end, Javascript, CSS, HTML.

Develop: front-end, full-stack, CSS, HTML, Javascript, Node.js, Python, JAMstack.

Dev tools. TDD. git, Parcel, SASS, 11ty, Metalsmith, webpack.

Workflow. BPMN, jBPM, WS-HumanTask.

Security, identity management, threat detection, directory services, Active Directory, ADFS, SAML, LDAP, OAuth, OpenID Connect, RADIUS, ForgeRock, RSA SecureID, SSL/TLS, certificate management.

Non-functional. Operations, support, runtime, monitoring, backup, recovery, key management, availability, reliability, content.

EDUCATION

One year Computer Science Grande Prairie College

(Various) Technical and architecture training Microsoft, Oracle, f5

Business Impact Leadership Programme fecund training

LANGUAGES

English (native)

French (basic)

PROFESSIONAL EXPERIENCE

Senior Solutions Architect

Euroclear — Paris, FR | Nov 2023 - Present

A a **Senior Solutions Architect** in the Group Digital Capabilities (GDC) Division, mainly in the Customer Onboarding and Interactions Team. Uses architectural and digital transformational expertise and experience to help Euroclear move forward and excel in providing financial services throughout the globe.

• Architecture • .NET • Azure • SQL • CIAM •

Lead Architect

Ubisoft — Paris, FR | Jun 2022 - Oct 2023

As **Lead Architect** for Ubisoft IT—Enterprise and Governance, directed the Architecture Team in developing strategy, roadmaps, standards, and best practices to elevate architecture and engineering across domains like Sales, E-Commerce, People, Finance, HR, and more. Played a key role in shaping the overall architecture for EG, ensuring alignment across IT as part of the Technology Advisory Board. Oversaw the architecture and design of pivotal products and initiatives. Led digital and engineering in the shift to modern practices, including test-driven development, containerization, and CI/CD enhancements, while spearheading the technical architecture of a major ERP initiative.

• Management • Leadership • Agile • Cloud • AWS • Integration • Digital • Data Strategy • Kubernetes • DevOps • TDD • API Strategy • Roadmaps • Planning • API Gateway • Azure • ERP • SaaS • C4 •

Senior Solutions Architect

Shell (via The Aubay Group) — London, UK | Jan 2022 - Jun 2022

Provided solution architecture development, consultancy and assurance to products and projects. Integrate the: Business Process, Data, Application, Technical and Information Security aspects of a Product or IT Solution. Coach detailed designers and business analysts in projects during their design work. Lead and collaborate within agile, cross-functional teams to develop and build data analytics applications for Trading, Energy and Group Carbon.

• Leadership • Agile • Cloud • Azure • BizzDesign • Digital • Databricks • PowerBI • DevOps •

Senior Solutions Architect

Zensar Technologies — London, UK | Jul 2021 - Jan 2022

As a **Senior Solution Architect** for Zensar Technologies responsible for engaging with external clients as a Principal Consultant. Within Zensar responsible for providing architectural, digital and engineering leadership, mentorship and direction.

• Consulting • Leadership • Architecture • Engineering • Mentorship • Digital •

Senior Digital Architect

The AA — London, UK | Jul 2021 - Jan 2022

As a **Senior Digital Architect** for The AA responsible for Solutions and Digital Architecture in The AA. Providing digital architecture direction and digital transformation, helping guide The AA forward to a cloud landscape with reactive and microservice architecture patterns, devops and digital platforms. Ensuring products or projects are successfully developed or transitioned into a digital-centric landscape. Liaising with Enterprise Architects and Data Architects on projects and roadmaps as The AA transforms and unifies.

• AWS • Azure • Angular • Sitecore • Java • Spring • Swift • Cloudflare • databases • messaging • microservices • digital • UML • APIs • HLDs • Jira • github • architecture review board •

Digital Solutions Architect

Post Office — London, UK | Apr 2021 - Jul 2021

As a Digital **Solution Architect** for Branch & Digital Engineering responsible for solutions and technical architecture on a new, cloud-native (AWS) platform. Using micro-services, end user-driven architecture, mostly serverless design responsible for solutions and designs integrating legacy and new capabilities. Vendor selection. Technical Design Authority.

• AWS • serverless • DynamoDB • Jira • Event Bridge • agile • Streams • REST • NoSQL data modeling • JSON • Parquet • Lambda • Athena • AWS Glue • Batch •

Principal Consultant

Buildit @ Wipro Digital — London, UK | Sep 2018 - Nov 2020

As a **Principal Consultant** for Buildit @ Wipro Digital, consulted internally and externally as an Enterprise Technology Architect and Engineering Manager. Buildit is a talented, highly-performing team within Wipro Digital that provides multidisciplinary consultancy for engineering and digital transformation.

As **Enterprise Architect** responsible for architecture, strategy and digital transformation consults for clients and within Buildit. Areas of responsibilities include: API strategy, digital transformation, enterprise integration, cloud strategy/ architecture, devops, digital transformation, engineering transformation and agile ways of working.

As **Engineering Manager** responsible for mentoring Buildit and Wipro Digital engineering teams, consulting on engineering transformation, cloud, API and microservices design (and best practices) with clients and within Wipro Digital. Refining and guiding ways of working, creative thinking, and modern, digital approaches.

Clients include: Lloyds Banking Group, UBS, Repsol

• AWS • Azure • UML • Jira • devops • agile • API strategy • REST • cloud • transformation • Docker • Kubernetes • JAMstack • SaaS • consulting •

Principal Architect

Enterprise Blueprints — London, UK | Apr 2016 - Sep 2018

As **Consulting Principal Architect**. Enterprise Blueprints (EB) provides Strategic and Architectural IT Consultation, primarily for financial organisations.

Lead Enterprise Architect

10x (via EB) — London, UK | Dec 2017 - Sep 2018

As **Lead Enterprise Architect** responsible for architectural concepts and patterns. 10x is a FinTech that offers a core technology platform for digital banking. Primary responsibilities include API strategy, API design, API management, integration within 10x and with external services and partners. 10x and (main investor) Virgin Money were building a modern, bespoke digital banking platform using microservices architecture on AWS cloud native.

As **Interim Engineering Team Lead** was responsible for mentoring and shaping one of the feature teams into an engineering team responsible for all APIs and integration for 10x.

- enterprise architecture • solutions architecture • design • integration architecture • microservices architecture • API strategy • API design • NoSQL modelling • platform architecture • Apigee Edge • AWS • OpenID/OAuth • UML • Spring Java • Kafka • linkerd service mesh •

Enterprise Programme Architect

Nationwide (via EB) — Swindon, UK | Apr 2016 - Oct 2017

As **Enterprise Programme Architect** responsible for architectural concepts and patterns for API Enablement and Open Banking. ensuring the architecture aligned with Nationwide's enterprise architecture roadmaps. Responsibilities included: DevOps and testing architecture; best practice for employing APIs; API SDLC, cloud standards (Azure). Solutions Architect for a tactical, API project that had severe time pressure, due to regulatory mandates. Designed and implemented a cloud API platform, designed APIs, data stores, applications, security, operations and support model.

- API platform design • test platform architecture • vendor management • Dev Ops platform architecture • API SDLC • API security • Apigee Edge • Azure •

Lead Architect & Engineering Manager

Gresham Computing — London, UK | 2015 - 2016

As **Lead Architect** and **Engineering Manager** responsible for engineering management, overall architecture and design, API design, data modeling, integration architecture and design, AWS design, test approach, and devops. The product was a greenfield, bespoke web-application; designed for a commercial loan administration company. Hired, guided, and mentored the cross-functional team responsible for the bespoke application. The product design was: micro-services architecture, SPA, RESTful, (mostly) serverless, in an AWS cloud environment.

- requirements • analysis • Swagger • NoSQL modelling • Elasticsearch • AWS Lambda (Java) • integration (messaging) design • federated identity management • Angular • AWS • estimates • hiring • customer engagement •

Solution Architect

Health Shared Services BC — Vancouver, Canada | 2015

As **Solution Architect** primarily was responsible for Solution Architecture, Solution Delivery Proposals, and Solution (High-Level) Design.

- architecture & design • requirements • lead design meetings • design documents • Tech Lead • architecture/project reviews • project estimates •

Enterprise Architect

KiwiRail — Auckland, New Zealand | 2013 - 2014

As **Enterprise Architect** provided enterprise architecture, strategy, planning, continuous improvement, design and delivery of solutions. Collaborated with KiwiRail IT architects on life cycle planning, architectural principles, policies and standards. Architected for change.

As **Lead Architect** and **Technical Lead** on a \$25M+ multi-year, programme transitioning KiwiRail Freight legacy systems to a bespoke architecture. Responsibilities: architecture and design of an event-driven, SOA for operations, booking, billing, invoicing, analytics, workflow, task management, logistics, platforms and SSO. Helped shape and guide the technical team, hiring where necessary and directed many vendor resources.

The programme included: custom development, integration services, platform selection, web, app servers, document storage, security, workflow, rules, graph and NoSQL databases, search, event recording, analytics, audit and infrastructure. Key activities and deliverables include: Design, Architecture, Implementation Planning, Strategy, and Documentation.

• REST • Java • Spring • TDD • devops • git • maven • Jenkins • Tomcat • Mulesoft • UML • Sparx EA • SSO • AD • analytics • CouchDB • Elasticsearch • Neo4J • SaaS • VMWare • GoPivotal • linux • custom SAP • jBPM • SharePoint architecture • TOGAF •

Solutions Architect

EDF Energy — London, UK | 2012 - 2013

As **Solutions Architect** primarily responsible for project delivery, architecture and design. Also responsible for Enterprise Architecture within B2C, aligning with EDF as a whole. Developed the Solution Architect Roadmap template. Developed technology and strategic roadmaps for various business objectives, technologies, and BAU. Developed an analytic tool for dynamically displaying maturity and confidence for roadmaps, programmes and projects.

• BI • Analytics • Big Data • smart-meter IoT • Hadoop with SAP HANA • SharePoint architecture and build • SOA • SAP – Billing Finance CRM • project estimates/cost • Telephony • TOGAF •

Senior Infrastructure Architect

HP — London, UK | 2012

As **Senior Infrastructure Architect** for HP, for their BP account, responsible for Data Centre Services (DCS) Architecture at the Global Data Centre Operations/ Solutions located in BP Data Centres.

• servers • mid-range • database • web-hosting • middleware • storage • backup • requirements • governance • high-level & detailed design •

Enterprise Solutions Architect

Xchanging — London, UK | 2010 - 2012

As **Enterprise Solutions Architect** responsible for solutions architecture throughout Xchanging and to external customers; consulting for internal and external business clients; Enterprise Architecture. Primary resource for all security architecture. Developed the solution for a standard desktop for offshore, near-shore and internal employees using hybrid cloud systems. Designed a solution for a SharePoint front-end to provide app delivery, hosting and remote management for offshore and onshore users.

• enterprise architecture • requirements • proposals • solution design & documentation • Microsoft • mainframe integration • Citrix • end-user computing platform design • roadmaps • private & hybrid cloud strategy •

Enterprise Solutions Architect

Husky Energy — Calgary, Canada | 2008 - 2009

As **Enterprise Solutions Architect** for the Enterprise Architecture Team responsible for developing technical roadmaps for Husky's entire systems infrastructure. Developed the architecture and implementation plan to migrate from Novell systems to Microsoft systems. Developed integration standards for web/SAP (NetWeaver, PI & XI)

• TOGAF • ARIS • SharePoint •

Enterprise Architect

FortisAlberta Inc. — Calgary, Canada | 2007 - 2008

As **Enterprise Architect** responsible for developing Fortis Alberta's enterprise architecture and solution architecture for major projects. Developed technology and security roadmaps, ensuring all were aligned with business vision and objectives.

• AD • security • content-filtering • DR design • virtualization • web • storage • database consolidation • SQL Server • Oracle RAC • Citrix Access Gateway • remote access • WAN optimization • server consolidation • SAP • web services integration: BizTalk, NetWeaver & MQSeries • partner network rationalization • SharePoint • TOGAF • ARIS •

Technical Leadership and Architecture Experience

Various Roles/Companies — Canada and UK | 1994...2007

Web Architect at Petro-Canada

Senior Technical Architect at NETeller

Web Architect at Burlington Resources

Senior Technical Lead at ENMAX Corporation

Senior IT Architect & Interim IT Manager at Foothills Pipe Lines

Others...

As an **Architect, Manager** and **Consultant** demonstrated expertise in architecting, designing, and securing web, middleware, and technical systems within various industries. Led teams, developed technology roadmaps, and ensured adherence to high standards of performance and reliability.

Highlights include:

- Directed technical personnel to ensure platforms met rigorous standards, resulting in significant cost savings.
- Developed and implemented robust security architectures, including multi-factor authentication and PCI compliance.
- Led large-scale migration projects, overseeing analysis, planning, and implementation of data, user, and application moves.
- Mentored and managed technical teams, refining procedures, standards, and architecture to align with business objectives.
- Proficient in a wide range of technologies including AD, Exchange, Oracle, SQL Server, IIS, Apache, and more.
- Security Architecture • PCI Compliance • Active Directory (AD) • Exchange • Oracle • SQL Server • IIS • Apache • Middleware Platforms (WebLogic, Tomcat) • Monitoring & Reporting • Networking • DNS • Encryption • ITIL • Storage Solutions • Web Services • Linux • Windows Server Environment • Technical Leadership • Team Management •