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M.Sc.Eng.

Balázs HIDEGHÉTY – Senior Technologist

FRACTIONAL CTO | VP of SWE | Director of SWE | Technical Lead & Architect
Expert Assistance for Successful Software Projects, from Inception to Completion.

Executive Summary

I **specialize in preventing costly project failures and minimizing maintenance expenses** through my hands-on technical expertise, which many managers lack. I offer valuable insight, advices and guidance for Small and Medium Enterprises (SMEs) in identifying and mitigating hidden expenses multiple times of \$100K yearly.

Throughout my **20 years** of experience in **enterprise software development**, I have focused on **technology leadership**, including defining technology product features, technology stacks, I was **providing architectural guidance**, advising on UI/UX, **translating customer feedback** (business requirements) into technical specification, **overseeing product development** and product upkeep, and managing releases.

I have played a leading role and been actively involved in the **entire product lifecycle** of multiple digital products, from idea creation through architecture, development, and improvement. These products span a **variety of industries** including Healthcare, Oil & Gas, Automotive, Finance, Retail, Logistics, and internal applications for medium to large organizations, in **multiple countries** (US and EU).

I **am an on-hand technical lead** with experience in every technical aspect of a digital product: architecture, front-end and back-end, CI/CD, development standards, UI/UX, active coding, database modeling, scaling, debugging and more. I **specialize in utilizing simple, easy-to-use, generic techniques that are not specific to any technology stack**.

Through my **previous business endeavors**, I have honed my entrepreneurial skills and gained knowledge in finance, accounting, law, psychology, and human behavior – bringing a unique perspective to IT projects. This allows me to **understand both the business and technical aspects of a project**, and effectively navigate complex situations, making me a valuable asset for any company seeking a well-rounded leader.

I **do believe that sustainable results can be achieved through ongoing hands-on management and made affordable to all through a fractional model**.

What I can bring to the table

I bring a wealth of experience to the table, including deep technical knowledge across the entire software development lifecycle to enterprise class software. I **can take an idea and turn it into a fully-realized business plan, designing every technical aspect**, help hiring and mentoring the right talent, and **overseeing the development process** to ensure that it is executed according to modern best practices.

I can also provide advice and guidance throughout the entire software development process, **help identify and mitigate bottlenecks and risks**, find solutions to business problems, and **guide the team towards quality, removing the risk of a slow-down in development and building near-zero maintenance systems**.

Technology mastery (20+ years of exp)

- **.NET core, Entity Framework, SQL, REST API, SOA, OData, SignalR, Messaging**
- **Angular2, TypeScript, NativeScript, Bootstrap, Kendo UI, Syncfusion, DevExpress**
- **Microsoft Azure** DevOps & CI/CD, IIS 6.5/7
- **Auth0, Twilio, Hangfire, SpreadsheetGear**
- JIRA, **Git**, Trello
- Viewpoint, **Shiftboard**

Experience

Fractional Leader | CTO

2023 – present (ongoing) **Self Employed (Contract, C2C), Remote across USA (EST / CST time-zones only)**

Expert Assistance for Successful Software Projects, from Inception to Completion.

- **Business – Non technical**
 - Act as a liaison between the software development team and other departments
 - Identify and implement process improvements to increase efficiency and effectiveness of the software development team and business
 - Define business analysis process for requirements gathering, validation and commitment to work
 - Make key decisions related to software development and align it to the business strategy
 - Creating RFPs, estimations (budgeting) and planning
 - Overseeing the development process of external vendors (agencies)
- **HR**
 - Support in hiring for software talent (design hiring and recruiting plan)
 - Write job descriptions
 - Mentor existing staff
- **Technology and development**
 - Software development processes & code audit
 - Define software development processes
 - Define technology stack
 - Define coding standards and process
 - Define architecture
 - Oversee the development and maintenance of software systems
 - Define deployment strategy (DevOps)
 - Mentoring

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SimplyPut Consulting, Pennsylvania, USA

Lead Software Engineer and Senior Technologist

2021 – present (ongoing)

Partner of SimplyPut Consulting in the Field of Custom Enterprise Software Development & Team Management.

SimplyPut Consulting is a no-nonsense management consulting firm comprised of specialists who have a passion for getting sh*t done. They serve Private Equity and C-Suite leaders around the world to deliver on their most challenging business and technology remediations, transitions, and transformations.

Assignments

- **2022 Wellness Coaches** – Integration analysis of software acquired via buy with existing systems and business processes.
- **2022 Lucid Motors** – Technical architecture & management support: provided advices, guidance on architecture and estimate (including risk evaluation).
- **2021-2022 Impact Health** – Technical Lead of SWE - .NET core & Angular – See detailed description below.

ImpactHealth Inc., Pennsylvania, USA

Technical Lead of SWE

2021 – 2022

With more than 30 year of experience and with a **20K+ of trained healthcare staff** Impact Health provides staffing service for thousands of companies including the nation's largest hospital systems, health plans, and **Fortune 500 companies...** <https://www.impacthealth.com>

SimplyPut Consulting transformed this \$5 Million biometric testing company into \$150 Million Covid Testing and Vaccination company in **two months!** To manage the new workload and administer dispatched staff at off-site testing locations more effectively, changes in internal processes and new custom tools were necessary.

As the **Technical Lead of Software Engineering**, was brought on to a custom software development project that was falling short of expectations. I established the processes, standards, and tech-stack needed to **create a successful and effective software development environment**, resulting in a project that exceeded expectations (**zero-maintenance product**).

- **Business – Non technical**
 - Develop and implement software development strategy (Make key decisions related to software development and align it to the business strategy)
 - Act as a liaison between the software development team and other departments
 - Identify and implement process improvements to increase efficiency and effectiveness of the software development team and business
 - Define business analysis process for requirements gathering, validation and commitment to work
- **Technology and development**
 - Oversee the development and maintenance of software systems
 - Defined software development processes, technology-stack, architecture, coding standards
 - Defined deployment strategy (DevOps)
 - Mentoring

Main Project:

TeamLead Application - Approx. 2500 monthly events, 5K-10K placed staff monthly, 400 active team-leads.

Through the **implementation of efficient software development processes** and automated deployments, we were able to **achieve improved management and visibility of changes**. This enabled us to **stabilize our original application within 1 month** and **eliminate failures** resulting from manual processes. With a reduced number of reported issues, we were able to focus on further enhancements. As a result, **within an additional 2 months**, we were able to **replace the existing project with a solution that required minimal maintenance**.

Other Projects:

- **Shiftboard sync process stabilization / replacement of Azure Logic Apps** (adding efficiency allowed to pull in data changes more frequently, which opened new possibilities inside the application). By **owning the data**, with the **accounting & staffing** department, we were able to create **KPI's** and reports to ease their work and mitigate **payroll** & staffing related issues.
- **Covid19 Home-testing** - mobile (hybrid) application
- **Data collecting application** (HIPAA consent, QC logs, etc.)

Technologies: .NET core, Entity Framework, SQL; Angular, Kendo UI, Ionic Framework; Azure (CI/CD), Azure Logic Apps, Twilio; Shiftboard; Jira, Git, Trello;

Universal Plant Services, Texas, USA

Senior Software Engineer (Full-Stack, via PDI LLC)

2016 – 2021

For 30 years, Universal Plant Services (UPS) has been a comprehensive service provider for the energy industry, providing project management, installation, maintenance and repair services for rotating and fixed equipment for daily maintenance requirements, turnarounds, and capital projects for Fortune 500 companies with budgets exceeding \$50M. <https://universalplant.com/capabilities-brochure/>

As a senior software engineer with extensive experience in leading and architecting technical projects I collaborated with product owners to find solution to their problem (BA), contributed in the creation, extension & upkeep of in-house software solutions that were used to manage company projects and resources including: 3.500 internal employees and thousand consultants, inventory and equipment...

Technology

1. **Defined technology stack** - Introduced necessary technologies and tools to improve data-fetch speed and end-user experience in app-bundles.
2. **Provide technical leadership and mentoring**, on-demand audits on architecture & code, to reduce future expenses (via eliminating bugs and code-smell).
3. **Initiated & authored the creation of reusable packages** (both for .NET and Angular), which resulted in developers creating more business value (features) instead of ballast-code (reuse in 5+ other apps).

Development

1. **Proposed and implemented steps to improve data integrity, code quality and performance** of the main HR application.
2. **Reduced the upkeep of the main HR application by 80%** (from ~20 to ~4 tickets per month) – the application manages relevant information about ~14K employees & consultants (including hiring workflow related data) - monthly increase by ~100-200 new hires.

Reusables created: Extended toOdataString implementation (based on Kendo UI) to support extended OData operators; Data driven validation library with dynamic error display for Angular; Implemented tailored in-app help (similar to spekit.co);

Technologies used: .NET core, Entity Framework (ORM), SQL, Dependency Injection, REST API, OData, SignalR; Angular2, TypeScript, NativeScript, Bootstrap, Kendo UI, Syncfusion, Auth0; Microsoft Azure DevOps & CI/CD, IIS 6.5/7

Tempest, a. s., Slovak Republic, EU

Senior Software Engineer (Full-Stack)

2007 – 2015

With more than 250 employees, TEMPEST is a leading provider of IT products and services with a history of over twenty years working in the information technology sector (both private as GOV).

Roles fulfilled

- Pre-sales support & Project planning
- Business analyst
- Software architect, Software developer

Realized 10+ successful projects, including challenging GOV and integrational projects for

The Monuments Board of the Slovak Republic

- 2014 – 2015, Software integration consultant on a global EU project CAIR / CARARE (Culture Archeology and Architecture in Europeana)
- 2014, Application for archive artefacts management & classification
- 2009 – 2010, AISOP - national monument registration and classification

The Public (General) Prosecution of the Slovak Republic

- 2012 – Scanning application with OCR, document anonymization (depersonalization), categorization and auto-publish feature.

Slovenská sporiteľňa a.s. - the largest commercial bank in Slovakia (member of Erste Group which was founded 1819 as the 1st Austrian savings bank)

- 2014 – 2015, Central Document Registry (ERM) application

Volkswagen Slovakia a.s.

- 2014 – Capacity management - Intranet application for managing, reserving, allocating, reporting storage capacities on NETAPP, EMC VPLEX storages.

Ministry of Transport, Construction & Regional Development of the Slovak Republic

- 2013: Project ADR – qualification card management for dangerous goods transportation
- 2008 – 2009: Project KKV – application for managing the process of issuing driver qualification card for passenger & freight transportation

HANIL E-HWA AUTOMOTIVE SLOVAKIA s.r.o.

- 2012 – Quality management application (server socket application for collecting quality related data over TCP/IP network from PLC components).

The National Motorway Company of the Slovak Republic

- 2010 – 2011 ERM intranet application to manage external and internal document workflow legislative compliant

Európska zdravotná poisťovňa a.s. (health insurance company)

- 2007 – REMOTE – Client-server application for secure communication, data transfer and storage of doctor-patient data (incl. custom security storage impl.)

Ticket selling application (for multiple theatres)

- 2007 – 2010, Repriss / ticket selling system for theatres - Supporting, fixing and extending a legacy (10yrs old) VB6 based windows application. Main changes included switch to dual currency, extension of printing capabilities to support dot-matrix printers...