Reinhardt Bron

Koegelwieck 53, 2134CN Hoofddorp, The Netherlands

T: +31 64 918 9200
E: reinhardt.bron@gmail.com

South African national in the Netherlands with an HSM permit requiring sponsorship.

RB

Summary

Currently permanently employed as Application Architect in the Enterprise Architecture team at the Dutch branch of Austrian banking group BAWAG, a prominent digital-only bank in the Netherlands.

Competent and experienced in - and deeply passionate about - everything that goes into the crafting of reliable distributed systems.

Relevant Experience

Knab / BAWAG group
Application Architect in Enterprise Architecture

Amsterdam - from December 2022

Initially appointed as Principal Software Engineer while the new Enterprise Architecture team was being finalised and then promoted into the Application Architect role.

Roles and Responsibilities

- Oversight and guidance of all software production in the organisation, in terms of process, people and technology.
- The setting of policy governing specific fields such as integrations between systems, ensuring approval by the required governing bodies in the bank (Architecture Board and Design Authority) and presenting the approved policies to the entire technical staff of the organisation.
- Evaluation and selection of fit-for-purpose 3rd party tools and platforms for use throughout the organisation.
- Consultation on other disciplines of architecture in the organisation - Enterprise, Business, Data and Technology.
- Formal mentoring of peers and juniors on an individual level.

Training completed during this period
- Novius Architecture Academy: Enterprise Architecture Modelling
- Marijn Huizendveld: Event Storming Primer

Derivco
Software Architect Level 1

Pretoria - April 2022 to October 2022

According to Derivco's promotion expectation, a candidate must demonstrate that they operate at the expected level for the new position for 2 years or more, before being eligible for promotion.

Was assessed through Derivco's rigorous Software Architect Promotion Process and promoted to Software Architect Level 1.

Roles and Responsibilities

- Documentation of all design and technical governance (decisions, risks, etc.) on projects involved.
- Presentation and obtaining of approval for designs from a technical and cost perspective - which includes detailed cost analysis, load profiling and in-depth high availability aspects.
- Overseeing implementation of solutions, protecting architecture through review of the entire range of SDLC artefacts produced by others - peers, juniors and seniors - across the organisation, including component designs and code.
- Promotion, facilitation and consultation on adoption of cloud and hybrid-cloud approaches where possible (Azure).
- Technical and consultative guidance of project managers and business analysts on all projects involved.
- Formal mentoring of peers and juniors on an individual level.
- Informal mentoring, guidance and knowledge sharing to individuals and teams across the organisation.
- Presenting knowledge sharing workshops - both technical and domain - to large groups.
- Reviewing and recommending juniors for promotion.

Senior Developer Level 2: Eventinsight

Pretoria - February 2018 to March 2022

EventInsight is the event streaming and complex event processing component for Derivco's platform.

Generally responsible for the maintenance and enhancements of legacy components, reliant on RabbitMQ, as well as the evolution of the product, leading to the evaluation and eventual adoption of Kafka as the event streaming solution in the organisation. Involved in developing the governance and adoption strategy for Kafka across all products in Derivco's portfolio. Also, during this time, was responsible for the design and implementation of a missed event recovery system.

Based on the above experience, was seconded out to the Loyalty Extraction project, as Software Architect. This project entailed the extraction of the platform's Loyalty functionality from the core database, onto a Kafka- and KStreams-based solution, involving real-time Loyalty points calculation for hundreds of thousands of eligible events per hour.

Due to project pressures throughout the organisation, through this time, again seconded to teams that required strong technical resources:
- To comply with the regulation of the Malta jurisdiction, where the majority of Derivco's non-regulated load was hosted, was responsible for the design and development of the process for migration of users onto the new regulated market.
- Technical resource for the Personal Data Extraction Project. As part of this tenure, was responsible for the architecture, design and implementation oversight for a hybrid-cloud vault solution for use by all Derivco's products.
- Technical Lead for the Yield Business Unit's effort to comply with US regulatory requirements for market entry.

Senior Developer Level 2: Scalability Projects

Pretoria - October 2016 to January 2018

To unwind the platform from a monolith-based architecture into a more Service Oriented Architecture, teams were formed from seconded resources to initiate the development of systems to extract high load sub-systems. Tasked with playing a Technical Lead role in both the Virtual Pit Boss and Customer Linking Scalability

project teams, under the tutelage of a Software Architect on each. Responsibilities included component design and leading implementation of the two products, with a strong consideration for load migration from legacy systems. On-premises Azure Service Fabric was used as the compute platform.

Pretoria — July 2015 to September 2016

Appointed at Derivco into the Server Core team, a highly productive team which focused mainly on improving and adding to the existing production T-SQL code on the extremely-high-load core databases, while also supporting other teams with the implementation of new functionality, and with a strong slant to regulatory compliance requirements.

Also tasked with the maintenance and enhancement of a legacy system named Virtual Pit Boss (VPB), a real-time event processing system, which consisted of a Windows service and a stack of T-SQL stored procedures.

Awards and Accomplishments

- 2017: Awarded the Annual Jedi Master award for the Pretoria office. *This technical award is given to the person who has achieved above and beyond on many occasions. The years of commitment from this individual have crafted great skill, wisdom and ability and you know you can turn to them for technical guidance.*
- 2019: Awarded the Derivco Heroes award for performance on the Malta regulatory market migration project. *Their behaviour brings our culture to life and epitomises what it means to be "Derivco". At their core, Derivco heroes are honest, courageous, empowered, responsible, innovative, committed, transparent, integrity, willing to fail forward and inspired by technology. They are people/teams who break down barriers and work together, as one Derivco, to make things happen.*
- Led the design and successful execution of several highly reliable systems to elegantly and compliantly fit into the Derivco platform.

Technologies and Tools used

- Microsoft SQL Server (2008 - 2019)
- Microsoft .NET with C# (Framework and Core)
- Microsoft Service Fabric (on-premises)
- RabbitMQ
- Redis
- Kafka and ksqldb
- Azure (FaaS, SaaS, PaaS, IaaS)
  - Terraform
- Azure DevOps, Gitlab
- Confluence and Jira
- Microsoft Office Product Suite (including Visio and Teams)

Training completed during this period

- External
  - IDesign: Architects Masterclass
  - IDesign: Project Design Masterclass
  - RockSolidKnowledge: Microservices and Containers
  - RockSolidKnowledge: SOLID Patterns and Testing
  - RockSolidKnowledge: Back-end Web Development
  - Confluent: Kafka Development
  - Pivotal: RabbitMQ for Developers
  - Exadat: SQL Server High Performance
  - University of Pretoria: Advanced GROW Coaching
  - Leadership Dynamics: Emotional Intelligence in Business

- ○ RED Consultants: Personal Mastery
- ○ The Human Edge: Crucial Conversations
- Internal
  - ○ Compliance (ISO 27001)
  - ○ EU GDPR
  - ○ Insights Discovery

SSG Consulting
Software Architect

Pretoria — 2008 to 2015

Architected and jointly implemented the framework for a project management solution - KEY360 - a cloud-hosted, thin client application that facilitates the capturing of the vast amounts of data required to plan and execute mega-scale construction projects, including robust reporting capabilities to provide real-time management intelligence.

Accomplishments

- Implemented a command interpreter that uses Reflection to execute any transactions that the server receives from the client.
- Implemented a generic charting engine, as in Excel charting functionality, to allow a user to draw information from virtually any dataset.
- Implemented a universal Excel import engine, to facilitate the importing of large datasets into the system.

Technologies used

- Microsoft SQL Server (2008 - 2012R2)
- Microsoft .NET with C# (Framework)
- Microsoft Visual Studio (2008 - 2013)
- WPF, WCF

Intenda
Software Engineer

Centurion — 2005 to 2008

Responsible for the development and maintenance of numerous bespoke applications around Intenda's main contract and procurement solution, ProQure.

Awards and Accomplishments

- Received the annual Intenda Achievement Award for excellent performance on the POM project.
- Design and development of a generic workflow engine through which all of Intenda's software solutions were integrated.
- Development of an enterprise server installation tool, which installed or upgraded the entire Intenda Solution Suite server-side deployment, including databases, services and websites.
- Joint design and development on an ASPX website, Purchase Order Management (POM), which facilitates buying against existing procurement contracts through an ecommerce cart-like interface.

Technologies used

- Microsoft SQL Server (2000 - 2005)
- Microsoft .NET with C# (Framework)
- Microsoft Visual Studio (2002 - 2008)
- WCF, WWF
- ASP.NET

- Microsoft Visual SourceSafe

Please contact me for earlier experience details.

Education

Willowridge High School
Matric
1994 to 1998

Completed High School in Pretoria as an above average student, as well as being an avid sportsman, playing both rugby and cricket.

Passed both Mathematics and Afrikaans 2nd language with distinction, along with Physical Science, Computer Science, English 1st language and Industrial Arts.

Invited to and attended the Extracurricular Centre for Highly Gifted Children in 1994 and obtained distinctions for both subjects, Petro-Chemistry and Computer Science.

University of South Africa
BSc Computer Science: Computational Intelligence (incomplete)
2006 to 2010

References

Niels Berglund
Architect Lead at Derivco (direct line manager)
T: +27 72 691 3677
E: niels.it.berglund@gmail.com

Charl Lamprecht
Senior Developer Level 2 at Derivco (peer)
T: +27 72 392 5144
E: charl@live.co.za

Further references available on request.

Hobbies

Enjoys spending time with family - at home, travelling and, especially, camping.

Competes in the Dutch Squash Federation league for the Hillegom Squash Club's mens first team.

Other hobbies include cooking and reading.