

Iulian ILEA

Full Stack Software Engineer & Technical Leader

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Summary

Staff-level engineer and former UI Director with 15+ years building data-intensive SaaS platforms. Specialized in turning complex enterprise data into actionable systems (BI, visualization, embedded analytics). Proven track record delivering 0 to 1 products and scaling engineering presence from early-stage to enterprise adoption.

Key Achievements

- Built and scaled a data platform used by enterprise clients
- Led UI architecture for a global BI product
- Established engineering presence in Cluj as early team member
- Delivered multiple 0 to 1 products across SaaS and data platforms

Skills

- Languages: JavaScript (ES6+), TypeScript, PHP, SQL, Java
- Frontend: React, D3.js, Graphviz, PowerBI Embedded SDK, ExtJS
- Backend: Node.js, REST APIs, WebSockets
- Data/Cloud: MySQL, PostgreSQL, MS SQL, Docker, Azure
- Mobile: React Native

Experience

Software Engineer / Vnomic Inc. (Apr 2021 - Apr 2026)

- Company shifted directions for their product and I was there to support, from SAP topology control panel app, to data driven system to ingest data models to show SAP landscape state and possible paths of failures and success, to a cost management solution which involves PowerBI Embedded SDK implementation and bridging data from company system to PowerBI data to achieve custom filtering and drillthrough capability.
- Engineered a data platform that ingests and existing data models and automatically creates visual diagrams of their SAP landscape.
- Integrated PowerBI Embedded to deliver interactive dashboards within the platform, enabling real-time data exploration for enterprise users.

- Architected interactive graph visualizations using D3.js and Graphviz, enabling users to manipulate complex data models and edges in real-time.

Software Engineer / Self Employed (Sep 2018 - Aug 2020)

- Built a cryptocurrency trading platform from scratch for a US client, delivering a production-ready frontend used in live trading operations.
- Developed a multi-vendor e-commerce platform for small farmers, enabling direct sales and improving market access.

Director of User Interface / Aera Technology (2014 - Apr 2018)

- Directed the UI strategy and architecture for a global BI platform, leading a cross-functional team of 5 developers to deliver technical solutions aligned with high-level business analytics.

Software Engineer / FusionOps (2010-2014)

- Joined as the 5th employee and sole UI Developer; scaled the frontend architecture from the ground up and successfully launched the company's second engineering hub in Cluj-Napoca.

Software Engineer / Self-Employed (2009-2010)

- Various projects for customers in Canada, UK and the US
- CMS, invoicing system, solid data scrapper and transformed unstructured data to structured data.

Web Developer / Burz & Schuller S.R.L. (2007-2009)

- Enhance and maintain the company's existing ERP.

Web Developer / AtlanticMoon S.R.L. (2006-2007)

- Implemented PDF generation service for the company's ERP.
- Engineered from scratch a travel comparator solution, comparing, live, accommodations from more than 10 providers.

Education

Bachelor of Science, "1 Decembrie 1918" University, Alba Iulia, Romania
2005 - 2008