

Marius Aiordăchioaei

Senior Software Engineer

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SUMMARY

A decade building trading, risk-management and enterprise software, across the JavaScript, .NET, Java and now C++ ecosystems: from Microsoft Teams to an Agency Trading Order Management System. I still write code on the weekends — the itch to learn never quite goes away.

EDUCATION

B.Sc. Computer Science | Babeş-Bolyai University

SKILLS

Programming Languages: C++, Kotlin, Java, C#, TypeScript, Python, Groovy, JavaScript

Platforms & Tools: AI / LLM, JVM, CI / CD, Linux, Docker, Computer Networking, ReactiveX, UX, OSGi, SQL, .NET Web and Desktop

Trading Systems: Agency Trading, Principal Trading, Risk, Program Trading, FixATDL, FIX, OMS

EXPERIENCE

Senior Software Engineer

Broadridge Trading and Connectivity Solutions | 2023 — Present

Core feature work on a risk management platform, back at the former Itiviti organization.

- Deliver features end to end, from ambiguous business requirements through to release
- Run front-line production support for client-facing systems, turning recurring incidents into product fixes
- Integrate AI coding agents into day-to-day delivery, cutting time spent on routine implementation and test work
- Mentored three interns over two years — all three converted to full-time engineers
- Interview intern and full-time engineering candidates
- Write automation coverage in a DSL-driven test framework; keep CI/CD code and pipelines healthy ahead of failures

Technologies: Kotlin, Java, Groovy, OSGi, C++, C#

Software Engineer

Microsoft (Remote) | 2022 — 2023

Front-end engineering on the people surfaces of Microsoft Teams — at-mentions and the message editor, in front of hundreds of millions of users a month.

- Shipped features across at-mentions and the message compose experience
- Removed the cold start on the at-mention picker: up to ~3 seconds on first use, down to instant

Technologies: TypeScript, React, ReactiveX

Software Engineer

Itiviti (now Broadridge) | 2019 — 2022

Feature work across an agency trading order management system — the platform brokers use to route and manage client orders.

- Delivered features end to end, from requirements through stakeholder demos
- Extended FixATDL support in the Algo Management product — the FIX standard describing how algo order parameters are defined and rendered
- Maintained the legacy WinForms single-stock trading product
- Repaired and refactored the internal release-automation tool; reviewed code across teams
- Mentored a summer intern; interviewed intern and full-time candidates

Technologies: Java, Kotlin, Groovy, OSGI, C#, ReactiveX, WinForms, WPF, F#, React, TypeScript, Python

.NET (Full-Stack) Developer

Yonder | 2018 — 2019

Built features for a medical application and a complex traceability solution.

- Built rich, heavily customizable UIs and synchronization between systems
- Reverse-engineered and migrated the legacy solution

Technologies: Angular, .NET Stack, Active Directory / LDAP

.NET (Full-Stack) Developer

Bosch | 2017 — 2018

Built a traceability & reporting tool supporting the V-Model development process used in Powertrain SW Engineering.

- Introduced the team's code review process
- Mentored an intern with no prior experience over six months, then two junior developers
- Led large refactorings and modernizations of the codebase

Technologies: C#, MSSQL, Entity Framework, OSLC, WCF, ASP.NET MVC, Active Directory / LDAP, IBM Rational

JavaScript & .NET Developer

Pentalog | 2016 — 2017

JavaScript Developer on a legacy ExtJS enterprise app, then .NET Full-Stack Developer building a single-page application.

- Built complex UIs and owned requirement disambiguation with the customer
- Made key technical decisions on customer requirements and domain modelling
- Repaired and modernized the legacy product

Technologies: ExtJS, C#, SQL Server, Entity Framework, WebForms, ASP.NET WebAPI

PROJECTS

Climat

DSL & Interpreter

A small language for describing command-line interfaces, and the interpreter that turns it into real, self-documenting tools.

10 releases published to npm

Technologies: Kotlin, ANTLR, Gradle, npm

Tradeville MCP

MCP Server & Fintech

Puts a live brokerage account — portfolio, orders, market depth — within reach of an AI assistant, over the Model Context Protocol.

10 tools exposed over MCP

Technologies: TypeScript, MCP, Node

Maxwell

Plasma Widget & 3D

Maxwell the Cat, resident on your KDE Plasma desktop — as an animated GIF or an orbiting 3D mesh.

7,000+ downloads on the KDE Store

Technologies: QML, Qt Quick 3D, KDE Plasma 6

Contriburg

Plasma Widget & 3D

Turns your GitHub or GitLab contribution graph into a 3D city skyline you can orbit and explore.

Two backends — GitHub and GitLab

Technologies: QML, Qt Quick 3D, KDE Plasma 6

AutomatedNN

Machine Learning

Automates neural network design with evolutionary algorithms — neural architecture search over Keras models.

B.Sc. thesis · Universitatea Babeş-Bolyai

Technologies: Python, Keras, TensorFlow

Resume Site

Front-End & Vanilla Web

A venture into UI design — this résumé. Every motif and layout decision mine; the implementation, AI coding agents.

Zero runtime dependencies

Technologies: HTML, CSS, JavaScript, Webpack