



JANNE KAVANDER

SENIOR SOFTWARE ENGINEER

CONTACT

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CORE STACK

Python
TypeScript
React
Django
MongoDB
Microsoft SQL Server
Microsoft Azure

LANGUAGES

Finnish (Native)
English (Fluent)

PERSONALITY

Adaptable
Problem-solver
Collaborative
Agile
Resilient
Proactive

LINKS

[LinkedIn](#)
[Github](#)
[Personal Website](#)

REFERENCES

Available upon request, including my direct supervisors (CPO, EM), engineering peers, direct reports, and product leadership.

ABOUT

Senior Full-Stack Software Engineer and hands-on Technical Lead with **5+ years of experience** building data-intensive enterprise SaaS. Carried a process- and task-mining platform through an acquisition as its **primary technical owner**: rebuilt the team, relaunched the product, and scaled it to **enterprise customers across four continents**. Strong in Python, TypeScript, React, Django, FastAPI, MongoDB, and Microsoft Azure, covering application architecture, cloud infrastructure, data pipelines, CI/CD, and integrations. Combines hands-on delivery with formal **Engineering Manager** experience and uses AI-assisted tools pragmatically to accelerate delivery.

WORK EXPERIENCE

LEAD SOFTWARE ENGINEER

April 2024 - July 2026

ProcessMaker Inc, United States

- **Took over and relaunched an acquired SaaS platform:** Became the primary technical owner of Process Intelligence following its acquisition, rebuilt the engineering team, created missing development and staging environments, stabilized deployments, and supported the product relaunch within two months.
- **Designed and operated a high-volume process intelligence platform** built to support thousands of agents sending activity data every five minutes, with more than 100 million raw MongoDB documents and tens of millions of aggregated records powering customer-facing analytics.
- **Eliminated a daily platform-wide availability failure** by redesigning authentication and request routing to remove long-running operations from a blocking Django worker pool. Recurring scaling incidents dropped to zero after release.
- **Improved critical MongoDB data models and aggregation pipelines** that processed task- and process mining data daily, resolving customer-facing inaccuracies and improving performance, reliability, and maintainability.
- **Simplified an overly fragmented microservice architecture**, consolidating production APIs from 14 to 9, repositories from more than 40 to the low 20s, and internal Azure Artifacts package feeds from 6 to 2.
- **Expanded production into the US and Australia**, delivering complete Azure environments that met enterprise data-residency requirements and enabled customer adoption beyond the original European region.
- **Delivered strategic ProcessMaker and ARIS Process Mining integrations**, enabling embedded analytics across ProcessMaker's 500+ enterprise customer base, new upsell opportunities, automated BPMN workflow creation, and additional enterprise sales channels.
- **Designed and co-developed a production Chromium extension** for privacy-first browser task mining, extending data collection to macOS users and delivering a publicly released product adopted by paying customers.



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- Established team-wide engineering and delivery standards across Git workflows, code review, testing, linting, reusable CI/CD pipelines, QA, onboarding, and releases. This enabled predictable biweekly releases, same-day hotfixes, and reducing engineer ramp-up from approximately one month to one week.
- Designed an Azure optimization plan projected to save €108,000 annually, reducing expected infrastructure expenditure across three production regions by approximately 60%.
- Combined hands-on engineering with people management, spending approximately 70% of my time on development while formally managing up to four direct reports across work planning, one-to-ones, performance reviews, hiring, onboarding, and career development.

SOFTWARE ENGINEER

Workfellow Oy, Finland

March 2021 - Apr 2024

- Worked across the full product and delivery lifecycle in an early-stage startup, contributing wherever needed across frontend, backend, data pipelines, cloud infrastructure, CI/CD, monitoring, internal tooling, and customer-facing issues.
- Developed a substantial portion of the customer-facing analytics platform using Python, Django, TypeScript, React, MongoDB, and Microsoft SQL Server, including complex interactive views for exploring process- and task-mining data.
- Built and optimized data access across more than 200 API endpoints and databases containing tens of millions of records, supporting responsive analytics over large and complex datasets.
- Strengthened the platform's operational foundations by maintaining Azure infrastructure and Azure DevOps pipelines and building internal monitoring tools used to diagnose data collection, processing, and customer-environment issues.

TECHNICAL SKILLS

Backend	Python Django FastAPI Beanie Pydantic REST APIs
Frontend	TypeScript React Tailwind CSS JavaScript Material UI Jest Redux
Cloud & DevOps	Microsoft Azure Docker Container Apps Azure DevOps GitHub Actions Bicep
Data	MongoDB Microsoft SQL Server Data modeling Aggregation pipelines
Misc	Git Jira Claude Code Cursor Scrum Kanban Poetry npm Figma

EDUCATION

BACHELOR'S DEGREE IN BUSINESS INFORMATION TECHNOLOGY

Laurea university of applied sciences

Aug 2019 - Dec 2022

GPA 4.84

- Full stack development orientation.
- Awarded a scholarship for outstanding academic performance.
- Thesis topic (grade 5): Developing Kanban board backend by using Django web framework.