

# PATRYK PREJS

Full-Stack Product Engineer · AI & Workflow Automation

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## PROFILE

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Full-stack engineer and product builder with a track record of shipping real products to real users. I design and build complete systems, from React frontends and Python/C#/Node.js backends to Camunda 8 workflow orchestration and LLM-integrated decision pipelines. I move fast, think commercially, and care about what gets built as much as how it gets built.

## PROJECTS

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**Revenue Orchestration Platform** - *Python · React · PostgreSQL · Camunda 8 · Zeebe · OpenAI API · OAuth 2.0 · Docker*

A full-stack SaaS platform in active development, modelling, automating, and intelligently orchestrating client revenue workflows using BPMN process design and embedded LLM reasoning.

- Designed a microservices architecture with dedicated services for OAuth/integration capabilities, UI request handling, and Camunda Zeebe worker management, proactively identifying responsibility conflicts and designing for future separation of concerns.
- Built a Camunda 8/Zeebe workflow engine layer that executes bespoke BPMN processes modelled directly from client revenue operations, integrating CRM, email, and automation triggers.
- Integrated LLM reasoning nodes into workflow decision points for classification enabling contextual AI judgment within deterministic business process flows.
- Built a React frontend and PostgreSQL data layer supporting client and lead management, workflow initiation, and operational administration across the platform.

**Combat Companions - Minecraft Plugin** - *Java · Plugin Architecture · Community Building · Monetisation*

Independently designed, built, shipped, and monetised a Minecraft plugin simulating autonomous NPC companion behaviour.

- Reached 370+ downloads with active player community and positive user feedback.
- Managed the full product loop: ideation, build, release, community support, and iterative improvement, entirely solo.
- Generated revenue directly from the plugin, demonstrating end-to-end commercial execution.

## ENTREPRENEURIAL TRACK RECORD

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- **3rd Place, Start-up Sussex Programme:** secured £2,000 investment pitching to business professionals.
- **Sussex Elevate Grant recipient:** awarded a further £2,000 following a second successful investor pitch.
- **Sussex Accelerator Programme:** pitched to an audience of 70, winning a 7-figure business mentor.

## EXPERIENCE

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**Software Engineer** · [Elekta](#) Apr 2025 – Present | Crawley, UK

- Designed and implemented scalable C# APIs and data pipelines for radiotherapy imaging systems used in cancer treatment - production software operating in safety-critical, regulated environments.
- Implemented secure authentication, RBAC, and encryption protocols ensuring compliance with medical cybersecurity and patient safety standards.
- Performed full installations and validation of production software on live linear accelerators in controlled test environments.
- Led technical training sessions improving onboarding efficiency and knowledge transfer across engineering teams.
- Developed modular Angular components used across multiple internal tools, improving UI consistency and clinician usability.

## **Graduate Software Engineer** · Elekta Nov 2023 – Apr 2025 | Crawley, UK

- Collaborated in a 7-member Scrum team delivering imaging capabilities for linear accelerators - contributed production-ready code across eight repositories with high test coverage.
- Diagnosed and resolved safety-critical software defects, preventing clinical workflow disruptions and maintaining regulatory compliance.
- Authored and maintained architectural and verification documentation within the team, ensuring consistency with wider design standards across the codebase.
- Prioritised and delivered high-impact features that unblocked development workflows and accelerated delivery timelines.

## **TECHNICAL SKILLS**

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**Orchestration:** Camunda 8, Zeebe (BPMN/DMN), LLM-integrated workflow nodes, Anthropic API

**Backend:** C#, ASP.NET Core, Python, Java, Node.js

**Frontend:** React, React Native, Angular, TypeScript

**Database:** PostgreSQL, MySQL

**Messaging:** RabbitMQ, SignalR, gRPC

**DevOps:** Docker, Kubernetes, CI/CD Pipelines, Git

## **EDUCATION**

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**BSc Computer Science and Artificial Intelligence - First Class Honours** · University of Sussex  
Sept 2019 – June 2023 | Brighton, UK