

# Paul Fasola

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## Skills

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**Frontend:** React, Next.js, TypeScript, JavaScript (CJS, ESM)

**Backend:** Node.js, REST APIs, PostgreSQL, MongoDB

**DevOps:** Github Actions, ArgoCD, Jenkins, GCP (GCS, K8s, IAM), Terraform, Grafana, Sentry

## Experience

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### Unity Technologies

Montreal, Canada

SENIOR SOFTWARE DEVELOPER - IDENTITY - LOGIN.UNITY.COM

June 2024 – Present

- Leading the development of Unity Login (100M+ monthly authentications), improving retention by 60% and maintenance drastically.
- Designing a scalable authentication model, seamlessly adopted by 40+ Unity properties (Unity Hub, Unity Cloud, Unity.com, etc.).
- Implementing a secure and seamless authentication solution, exceeding global compliance standards and ensuring full compliance with SOC 2, GDPR, and OWASP CRS 3.0.
- Mentoring two backend developers in frontend best practices and UI/UX optimization.
- Driving innovation within the Identity team to enhance user security and experience for our multi-million user base.
- Ensuring top-notch accessibility, performance (100% uptime since launch), and security via a strict CSP/CSRF implementation.
- Technologies: Typescript, Next.js, React, Node.js, Jest, Zod, Bun, OAuth 2.0, Playwright, ArgoCD, Github Actions, GCP

SENIOR SOFTWARE DEVELOPER – UNITY CLOUD – CLOUD.UNITY.COM

July 2021 – June 2024

- Developed key features for 3 Unity Cloud core features: In-App Purchases, Metered Billing, SDK Distribution.
- Built the first iteration of the Unity Dashboard Overview, improving developer experience.
- Optimized CI/CD workflows, achieving a 30% reduction in deployment times and increasing release reliability for internal teams.
- Maintained core cloud infrastructure, ensuring high availability and performance for our ~400 internal developers and 1000s of users.
- Focused on UI/UX enhancements, enabling seamless navigation and usability for developers and reducing bounce rate by ~25%.
- Contributed to the internal UI component library used across Unity products as a standard by implementing 10+ components.
- Technologies: Javascript, Typescript, React, Node, Jest, Yup, Harness, Github Actions, PostgreSQL

### Mindgeek (presently, Aylo)

Montreal, Canada

SENIOR WEB DEVELOPER

Sep 2020 – June 2021

- Built ad-serving solutions displayed 4.5 billion+ times per day, leveraging React and TypeScript.
- Led architectural decisions for 3 internal frontend applications, ensuring scalability and performance.
- Mentored a junior developer, fostering a strong technical foundation across the team.
- Technologies: React, Typescript, Playwright

FRONTEND DEVELOPER

April 2019 – Aug 2020

- Engineered AdBlock countermeasures, recovering \$4M+ annually in lost revenue.
- Developed an internal React-based targeting platform, improving ad personalization.
- Created an automated visual monitoring tooling ecosystem for an efficient UI regression detection.
- Technologies: Preact, Javascript, Selenium, BrowserStack

### SOAT

Paris, France

SOFTWARE ENGINEER

Sep 2015 – Sep 2018

- Migrated a legacy Silverlight application to ASP.NET MVC 5.
- Conducted 3+ technical talks and workshops, training 80+ engineers and improving frontend development practices across the company.
- Implemented 5+ internal tools to enhance developer productivity and collaboration within the company.
- Technologies: ASP.net MVC 5, MSSQL, Javascript, Grunt, JQuery

## Education

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### Paris Ynov Campus

Nanterre, France

MASTER'S DEGREE IN COMPUTER SCIENCE - APPRENTICESHIP IN COMPUTER SCIENCE

2016 – 2018

### Paris Descartes University

Paris, France

BTEC - APPRENTICESHIP IN COMPUTER SCIENCE

2013 – 2015