

John Doe

Senior Full Stack Software Engineer

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Professional Summary

A passionate, results-oriented software engineer with over **8 years of experience** designing, building, and deploying highly scalable web architectures and programmatic automation pipelines. Expert in Python, Rust, and TypeScript, with a deep interest in compiler design, document typesetting systems, and automated DX workflow toolchains.

Core Expertise

- **Languages:** Python (mistletoe, ReportLab, pytest), Rust, TypeScript/JavaScript
- **Architectures:** RESTful APIs, Event-driven systems, CI/CD automated deployment pipelines
- **Layout & Rendering:** Programmatic PDF typesetting, SVG/Vector graphics manipulation, Markdown AST compilation
- **Databases:** PostgreSQL, Redis, Elasticsearch, SQLite

Professional Experience

Period	Role & Organization
2023 - Present	Principal Engineer @ Typeflow Systems - Architected custom AST pre-processors and element handler plugins using Python and Rust, resulting in a 40% increase in layout generation speed. - Designed a parallel asset compilation pipeline utilizing caching mechanisms to pre-fetch network-dependent rendering resources (e.g., Mermaid, LaTeX). - Led a team of 4 engineers rebuilding document pipelines.
2020 - 2023	Senior Backend Engineer @ DocuAuto Corp - Built and maintained programmatic microservices handling daily compilation of 500k+ dynamic invoices and reports. - Reduced infrastructure costs by 25% by migrating PDF rendering services from headless Chromium wrappers to lightweight pure-Python PDF layout engines. - Mentored junior engineers and standard code style, linting, and testing patterns.
2018 - 2020	Software Engineer @ CloudBase Systems - Developed and deployed secure API gateways and backend data storage integrations in Go and Python. - Configured automated integration test suites coverage checking from 60% to 92%.

Education & Credentials

- **B.S. in Computer Science & Engineering** — Stanford University (2014 - 2018)
- **Certified AWS Solutions Architect** — Amazon Web Services (2024)
- **Author & Maintainer of pymd2pdf** — Open Source Markdown Typesetting Engine

Key Open Source Contributions



pymd2pdf (Contributor & Co-maintainer)

Co-authored the lightweight 4-stage markdown-to-pdf pipeline, developing the Markdown AST pre-processor hooks and implementing visual layout safeguards like table repeating headers and KeepTogether heading blocks.