PIOUS ALPHA

Software Engineer & Aspiring Software Architect

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years at Accenture in banking and financial services. Coordinated the architecture and migration of 850+ legacy applications to a modern React/Java stack, defining technology standards, API contracts, and code quality practices across multiple development teams. Skilled in balancing trade-offs between system reliability and modernization velocity, with hands-on experience in system design, component architecture, and migration planning. Seeking a Software Architect role to drive technical direction, define scalable system blueprints, and mentor engineering teams through complex transformations.

WORK EXPERIENCE

Accenture – Banking & Financial Services

Software Engineer – ASP/Java Migration | Jun 2023 – Present

- Coordinated architecture and migration of 850+ legacy ASP/VBScript applications to React/Java Spring Boot, serving 200+ internal bank users with zero downtime during transition.
- Defined the target technology stack (React, Spring Boot, DRL-based mail routing) and authored API contracts that became the standard for all migrated services.
- Collaborated with multiple development teams, conducting code reviews to enforce consistency, quality, and architectural alignment — reducing post-release defects by an estimated 25%.
- Maintained legacy ASP/VBScript systems in parallel, ensuring uninterrupted banking operations for 200+ users throughout the migration lifecycle.
- Refactored the internal codebase, streamlining workflows and reducing average feature implementation time by approximately 30%.
- Researched and established unit testing standards (JUnit, Jest) for all migrated Java/React applications, improving test coverage from near-zero to 60%+.
- Authored component-level system architecture documentation, creating technical blueprints used by 3+ teams for ongoing development and maintenance.

Software Engineer – React Parking Counter Application | Jan 2024 – Present

- Owned end-to-end architecture and development of a React-based Parking Counter application deployed across 20+ bank locations.
- Designed the state management architecture, location-based routing system, and data caching layer — evaluated trade-offs between client-side caching (speed) and server-side validation (accuracy) to ensure reliable performance.
- Implemented full CRUD functionality for parking data management, designing the data flow and API integration patterns that served as the reference architecture for similar internal tools.

PLATFORM ENGINEERING & DEVOPS PROJECTS Personal & Professional

- Developed modular Terraform codebase to manage GitHub organizations as Infrastructure as Code (IaC), enabling repeatable and version-controlled environment provisioning.
- Built custom GitHub Apps to automate governance, developer workflow enforcement, and repository management.
- Automated user and team onboarding via Azure AD SAML integration, reducing manual provisioning overhead.
- Created repository templates with preconfigured CI/CD pipelines (GitHub Actions) and CODEOWNERS enforcement, standardizing project setup across teams.
- Defined global rulesets from Security and Change & Release policies, enforcing code freeze, standard pipelines, peer review, and clear ownership across repositories.

EDUCATION

Computer Science (Self-Directed) | Mar 2025 – Present
OSSU – Open Source Society University Coursework: Computer Science

Junior Software Developer | Dec 2022 – Jun 2023
BeCode

Science & Mathematics | Sep 2012 – Jun 2018
High School

KEY SKILLS

Architecture & Design: System Design, Component Architecture, API Design, State Management, Caching Strategies, Migration Planning, Technical Documentation

Primary Languages: Java, JavaScript/TypeScript, Python, Go, SQL

Frameworks & Libraries: Spring Boot, React, Next.js, Node.js, Django, Astro, Hono.js, TailwindCSS, JPA/Hibernate, JUnit, Jest

DevOps & Tooling: Docker, Terraform, Git, GitHub Actions, CI/CD Pipelines, Linux, Azure AD (SAML), PostgreSQL, MySQL, Redis (Upstash)

Also Familiar With: Swift/SwiftUI, Flutter, ASP Classic, Bash/Shell, Socket.io, Three.js, Pinecone (VectorDB), Clerk, Stripe

CERTIFICATIONS

- AWS Cloud Practitioner
- HTML5/CSS3 & JavaScript (Web Development)
- Java & Software Development

LANGUAGES

- English C2, Dutch C1, French & Spanish A1

INTERESTS

- Philosophy and psychology, Non-fiction, Science and technology, Music (specifically jazz), Brazilian Jiu-jitsu, Freestyle-wrestling, learning...

Last updated: 6 January 2026