Andi Bunas

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Engineering Leader

Strategic Planning | Technical Leadership | Software Architecture | Cloud Solutions | Agile Methodologies

- Results-driven Technical Leader who combines strategic engineering leadership with a hands-on approach to architecture and code.
- Experienced guiding high-performing software teams while staying close to the technical details — auditing systems, designing solutions, and building tools and pipelines that eliminate manual work.
- Brings deep expertise in software architecture, full-stack development, and cloud migrations, paired with proven success mentoring engineers, running agile delivery, and aligning technical strategy with business goals to drive scalability, performance, and innovation

EXPERTISE

Leadership & Management: Hands-On Technical Mentorship, Engineering Culture, Strategic Planning & Execution, Agile Methodologies, Continuous Delivery, Cross-Functional Collaboration, Requirements Analysis

Architecture & API Development: Software Architecture, System Design, RESTful Design, Microservices, Domain-Driven Design, Event-Driven Architecture, Performance Optimization, Secure Coding & Web Security, Scalable Web & Mobile Applications, Full-Stack Development, Cloud-Native Solutions (AWS, Azure), OOP. OWASP

Languages & Frameworks: JavaScript, TypeScript, C#, Node.js (AWS Lambda), React, React Native, Angular, Python, Java, Objective-C/Swift, C/C++, .NET, iOS, Android, Embedded Systems (DSP) [TI, AD, PowerPC]

Databases & Data Systems: SQL (SQL Server, MySQL, SQLite, RedShift), NoSQL (DynamoDB), S3, Data Modeling, Data Validation, Caching

Tools & Platforms: Jira, Confluence, GitHub (+Actions), CI/CD Pipelines, Shopify, DBT, n8n, AirTable, DataDog, Sumo, Splunk, Terraform, Octopus

CAREER PROGRESSION

Interim Director of Engineering (contract), NativePath *Nov 2025 – May 2026*

Hands-on interim leader brought in to stabilize and rebuild the engineering organization — directly auditing legacy systems, architecting replacements, and building new processes alongside the teams.

- Led an audit of disparate legacy systems and codebases, and authored documentation that directly shaped the architecture of the new solution
- Architected and helped build new automated BI data layers, replacing manual spreadsheet-based processes with engineered pipelines
- Defined code-review standards for AI-generated output and coached engineering managers on governance frameworks for regulating AI tool use
- Created an agile sprint process and trained leadership on its use and benefits
- Worked directly with engineers on writing clear technical specifications, improving deliverable quality
- Trained new Central Operations Product team on translating leadership requests into functional design that engineers could build from
- Rebuilt communication practices between Engineering and Marketing, establishing shared prioritization and delivery visibility
- Prepared three teams — Security Operations, Development, and Data/BI — for direct reporting to leadership

Engineering Consultant/Advisor, A4Action.org *Jul 2025 – Oct 2025*

- Built tools and systems to improve management of the organization's online store and operational workflows
- Advised on long-term technology strategy,infrastructure and best practices
- Worked directly alongside the team to build and train on new store-automation tooling

Senior Engineering Manager, Auctane.com *May 2024 – Jul 2025*

Led 3 full-stack teams, including offshore personnel, staying hands-on in architecture and technical review while driving engineering for Stamps.com's flagship web and mobile based shipping and fulfillment platforms.

- Stayed hands-on in solution architecture as primary technical liaison to Product, ensuring designs matched business requirements
- Worked directly with teams on technical specifications and architectural improvements, fostering stronger skill diversity and building technical autonomy across the group
- Partnered directly with security teams to integrate code scans and remediation into the development workflow
- Built streamlined status-reporting processes for enhanced stakeholder visibility
- Built out and mentored multiple high-performing teams while personally guiding process flows for consistency across projects
- Refined Agile practices, improving scoping and collaboration with Product teams to deliver more predictable roadmaps

Advisory Software Engineer (Architect), Auctane.com *Sep 2020 – May 2024*

Hands-on architect designing and building software solutions directly while guiding engineering teams on large-scale projects.

- Designed and built scalable, high-performance architectures using .NET, AWS, and React.js
- Improved CI/CD practices, boosting operational efficiency and deployment reliability
- Led teams through critical projects involving complex distributed systems, significantly reducing downtime and operational risks

Development Manager, Stamps.Com *Sep 2014 – Sep 2020*

Built out and led a web applications team, staying directly involved in design and implementation.

- Led design and architecture directly, working in the codebase alongside the team
- Trained the UI team to build server-side implementations
- Drove and helped execute a full client rewrite to the ExtJS framework to scale the feature set

Senior Software Engineer, Stamps.Com *Nov 2005 – Sep 2014*

Primary backend engineer responsible for the end-to-end design, implementation, and long-term support of core server-side applications.

- Designed, built, and supported server-side applications including WebClient, AddressBook, WebRegistration, and OnlineReporting
- Executed embedded IBM Cryptocard upgrades, research, implementation, vendor communication, and internal training
- Introduced RESTful services and separated APIs, directly streamlining development and cutting redundancy
- Built and maintained key systems such as Photostamps, PaymentServer, SWSIM, Bridge, and IBMKiosk

Earlier Career *2001 – 2005*

Senior Engineer, Genex • Application Developer, B3 Corp • Consultant, Neogent Inc. • Senior Software Engineer, WebOctave

- Built and maintained backend web services and SOAP-based integrations connecting internal systems with third-party suppliers
- Migrated and ported production databases across platforms (Perl/MySQL → ASP.NET/MS-SQL; MS-SQL → Oracle and DB2)
- Implemented encryption algorithms and secure data-handling components for e-commerce transactions
- Designed backend components for a multi-tenant content management server, including asset management and security features
- Designed backend architecture for client-tracking systems, translating business requirements into technical specs
- Presented database conversion plans and system benefits to management

EDUCATION

Bachelor of Science in Computer Science, University of California, Santa Barbara