

ALMAZ DOLUBAEV

🏠 Washington, DC ☎ (202) 823-9932 ✉ almaz.dolubaev@gmail.com 💼 [linkedin.com/in/dolubaev](https://www.linkedin.com/in/dolubaev) 🌐 www.almaz.software

ARCHITECTING HIGH-THROUGHPUT FULL-STACK PLATFORMS AND GENAI AUTOMATION TO ACCELERATE GROWTH

Senior Full-Stack Engineer with over 12 years of experience architecting mission-critical web applications across fintech, healthcare, and federal sectors. Deep expertise in the JavaScript and TypeScript ecosystems — React, Angular, Vue.js, and Node.js — with robust AWS cloud architecture experience. Technical lead who guides cross-functional squads, sets clean code standards, and modernizes legacy platforms. Specialized in GenAI and LLM integrations that optimize developer workflows. AWS Certified Solutions Architect and AI Practitioner.

AREAS OF EXPERTISE

- Full-Stack Web Architecture
- TypeScript & JavaScript
- AWS Cloud Solutions Architecture
- Web Performance Optimization
- GenAI & LLM Integration
- React, Vue.js & Angular
- CI/CD & Automated Testing
- Prompt Engineering & AI Tooling
- Front-End Engineering
- Node.js & REST API Design
- Agile Technical Leadership
- System Modernization & UI/UX

KEY BUSINESS IMPACT

- ✓ Recovered 50% of routine engineering hours at Capital One by designing reusable Claude GenAI skills that automated vulnerability triage, code reviews, and performance refactoring across credit application services.
- ✓ Reduced production incident triage times from hours to minutes at Capital One by building "Sherlock," an internal GenAI application converting plain-English prompts into automated Splunk query execution and log diagnosis.
- ✓ Slashed credit application processing times by 20% at Capital One by architecting high-throughput prequalification workflows serving over 3 million annual applicants.
- ✓ Cut employee data processing and analysis time by 40% at Etron Cloud by building a dynamic, multi-tiered AI prompt library in Angular 18, adopted across every department of the client company.
- ✓ Enabled on-schedule handover to the client's in-house React team at Etron Cloud by leading a full front-end migration of a 6-month Angular 18 codebase to React 19 in just 4 weeks.
- ✓ Decreased platform incident counts by 75% at Tista Science and Technology by enforcing strict TypeScript code-quality standards and elevating automated test coverage to 90%.
- ✓ Achieved 50% higher user adoption and a 9/10 satisfaction rating at AAMC by developing an interactive admissions analytics suite using Angular and Highcharts for over 140 medical schools.
- ✓ Reduced annual operational expenses by over \$300,000 at SuperiorApps by developing integrated work order, timesheet, and inventory modules for Dulles International Airport's facility management platform.

EXPERIENCE AND ADDITIONAL ACCOMPLISHMENTS

Senior Software Engineer | Capital One | McLean, VA 6/2025 - Present

- Serve as a senior engineer on feature squads, owning end-to-end design, code reviews, and delivery across the Vue.js front end and Node.js/TypeScript services deployed on AWS.
- Drive front-end performance optimizations on high-traffic screens, improving Core Web Vitals and page load times.
- Strengthen reliability by expanding Playwright end-to-end suites to 100+ scenarios and adding Splunk monitoring alerts.
- Manage Jenkins CI/CD release pipelines targeting AWS Lambda, S3, and ECS while adhering to AWS Well-Architected security frameworks.

Senior Software Developer / UI Lead | Etron Cloud | Arlington, VA 10/2024 - 5/2025

- Architected the wealth management platform UI for TWG from scratch using Angular 18, SCSS, and Tailwind CSS, exposing leading LLM models through Palantir's API with real-time data visualizations and complex dashboards.
- Led the integration of foundation models and LLMs into business workflows for the enterprise AI Registry feature set, accelerating delivery with AI-assisted development in Cursor.
- Designed and maintained RESTful backend APIs and services for persistent data storage and rapid data retrieval.

Senior Software Developer | Tista Science and Technology | Rockville, MD **2/2021 – 8/2024**

- Delivered core components for UCM NexGen, a federal Medicare and Medicaid fraud investigation platform, including a Document Management Service, a data-driven form engine with 50+ pop-ups, and over 20 D3 visualizations.
- Integrated an in-browser PDF editing suite using the Foxit SDK and led Angular framework and core library upgrades every 6 months to maintain security and currency.
- Architected RESTful API integrations and Node.js backend services to handle complex data workflows under Public Trust security protocols.

Senior Software Developer | Association of American Medical Colleges (AAMC) | Washington, DC **12/2018 – 1/2021**

- Engineered the AMCAS for Schools admissions platform UI using Angular, Highcharts, and Angular Material, exposing over 1,000 filterable data fields across 20+ custom reports.
- Launched the Fee Assistance Program (FAP) platform UI, incorporating complex validation logic across 100+ input fields.
- Maintained an 80%+ test coverage standard using Cypress, Karma, and Jest, lowering annual post-launch defect rates by 15%.

Software Developer | SuperiorApps LLC | Alexandria, VA **3/2017 – 12/2018**

- Developed integrated work order, timesheet, and inventory modules for Dulles International Airport's facility management platform, replacing manual handoffs and reducing annual operational expenses by over \$300,000.
- Authored 20+ SQL queries for MySQL databases, cutting airport facility maintenance turnaround times by 10%.
- Scaled the Facility Management Information System (FIMS) to reliably support 500+ concurrent active users using React, Node.js, Express, and MySQL.

Web Developer / Consultant | Alai LLC | Kyrgyz Republic **12/2010 – 11/2016**

- Digitized paper-based government administrative workflows into browser-based document processing tools using JavaScript, HTML5, and Node.js, boosting operational efficiency by 35%.

HIGHLIGHTED PERSONAL PROJECTS

Advokit (advokit.com): Built a no-code website builder dashboard and marketing SPA in React 19, Vite, and AWS Amplify, plus a drag-and-drop page editor with a shared design-token theme system.

Aletha Health (alethahealth.com): Redesigned an e-commerce platform using Next.js with middleware routing, alongside a Flutter iOS/Android mobile app for wellness tracking.

AddSign (addsign.kg): Developed a React and Node.js e-signature web platform with third-party identity verification, Cloud Digital Signature API integration, and dual-party signing workflows.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3, Sass/SCSS

Front-End: React, Next.js, Vue.js, Angular, RxJS, NgRx, Redux, Tailwind CSS, D3.js, Highcharts, Material UI

Back-End & APIs: Node.js, Express, Fastify, Flask, RESTful APIs, OAuth 2.0, AWS Cognito

Cloud & DevOps: AWS (Lambda, ECS, API Gateway, S3, etc.), Docker, Jenkins, Azure DevOps, Splunk, CI/CD

AWS Security & Identity: IAM (roles and policies), Cognito, IAM Identity Center, Organizations and SCPs, Secrets Manager, SSM Parameter Store, KMS, CloudTrail, AWS Config, Security Hub, API Gateway authorizers

Testing & Tooling: Playwright, Cypress, Jest, Jasmine, Karma, Git, Vite

AI & GenAI: Claude, Cursor, Windsurf, OpenAI API, LLM Integration, Prompt Engineering, Foundation Models

EDUCATION AND CERTIFICATIONS

Master of Business Administration (MBA) | Academy of Management under the President of the Kyrgyz Republic

Bachelor of Arts in Economics (Finance & Banking) | International University of Kyrgyzstan

AWS Certified Solutions Architect – Associate (SAA-C03) and AWS Certified AI Practitioner (AIF-C01) | AWS

Star Performer Award (Peer-Voted) | Tista Science and Technology (2023)

Work Authorization | Authorized to work for any U.S. employer without visa sponsorship