

Mike Bates

Senior / Principal Software Engineer. Full-stack, Cloud, AI-assisted delivery

LOCATION
Vancouver, BC · Remote

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SOURCE
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25+

years shipping production software
SINCE 2000

200+

US hospitals on a HIPAA-regulated platform
CASECHEK

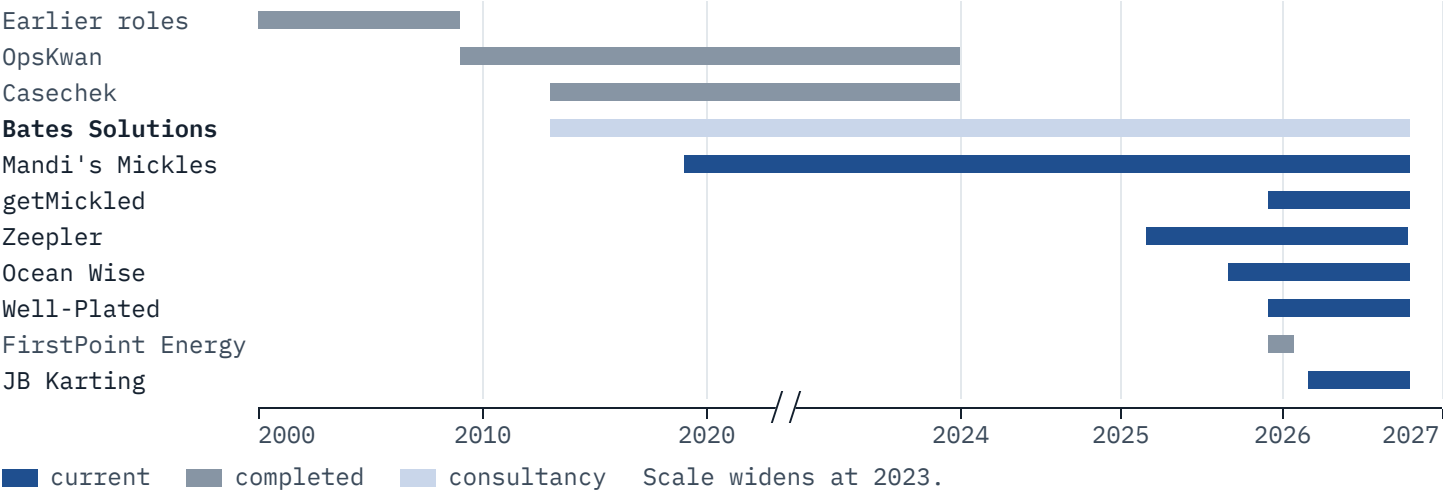
440

merged PRs as lead on a public partner API
OCEAN WISE

19

Terraform modules behind one multi-tenant platform
GETMICKLED

01 · TIMELINE



02 · SUMMARY

Principal engineer with 25+ years designing, building and running production software, from founding-engineer platforms to team-scale delivery. Currently Lead Backend Engineer on Ocean Wise's Whale Report platform and a senior engineer on a clinical React Native platform, through the Bates Solutions consultancy. Ships multi-tenant SaaS end to end on AWS and Azure with Terraform, and has standardised AI-assisted development for a whole engineering team.

03 · SELECTED WORK

SEP 2025
TO PRESENT
VANCOUVER, BC

Ocean Wise, Lead Backend Engineer

Conservation NGO. Whale Report platform (app.ocean.org): whale-sighting reports, alerts and a public API for partner organisations.

- Shipped Partner API V2 as a versioned public contract: OpenAPI specification, per-partner sharing scopes, TTL expiry semantics and a contract-test tier in Continuous Integration (CI). 440 merged pull requests as lead engineer on the backend-for-frontend service, 539 across the organisation.
- Hardened the API surface: route-level authorisation on API-key-reachable write routes, role requirements on admin routes, PII narrowed on report reads, and deprecated routes that exposed observer identity gated off.
- Standardised AI-assisted development for the whole engineering team: authored the organisation's shared agent repository, Claude Code skills and Cursor rules kept at parity and distributed to every project repository as version-controlled configuration.

03 · SELECTED WORK, CONTINUED

DEC 2025
TO PRESENT
REMOTE

Well-Plated, Senior Software Engineer

Clinical eating-disorder recovery: React Native (Expo) apps for clients, caregivers and providers.

- Built the release pipeline for three store apps: release trains, backend-gated Android releases, automated App Store submission, store-state gates. 357 merged pull requests.
- Before launch, found and fixed an iOS App Attest bug that broke every returning sign-in; Supabase deploy pipelines; cross-app Playwright tests.

2019
TO PRESENT
VANCOUVER, BC

getMickled, Founder and Principal Engineer

Bates Solutions' multi-tenant commerce platform, grown from the e-commerce built for its first customer, Mandi's Mickles. Each new business gets a storefront designed from scratch on the shared platform, through a written playbook from brief to launch.

- Architected seven apps on one platform: two live tenant storefronts (Mandi's Mickles, Bisque & Co), tenant admin, operator console, marketing site and two end-to-end suites.
- Nx 23, Angular 22 (signals), Node 22 on AWS Lambda, DynamoDB and Cognito, with tenant isolation across 19 Terraform modules; 367 spec files; 1,123 merged pull requests.
- For Mandi's Mickles beyond engineering: incorporation, regulatory documentation, online accounts.

2013
TO 2024
CHICAGO, IL

Casechek, Principal Engineer

Founding engineer of a HIPAA-regulated surgical device procurement platform, first to market.

- Scaled the platform from first customer to 200+ US hospitals, with HL7 integrations (Qvera) automating processes inside hospital systems.
- Architected three backend systems and eight web, mobile and desktop applications: PHP 8, Symfony, API Platform, Angular, Electron, on AWS EKS with Terraform and Helm.
- Hired, mentored and managed engineering teams of up to 7, in a tech team that grew to about 25; migrated live systems from Travis CI to GitHub Actions, AWS CDK to Terraform and OAuth to Auth0.
- 2023 Chicago Innovation Award (Up-and-Comer); 2023 SMI Tom Hughes Collaboration Award.

04 · EXPERIENCE

2013 TO PRESENT

Bates Solutions, Founder and Principal Engineer. Engineering consultancy and product studio.

2009 TO 2024

OpsKwan Technologies, Director of Development. SaaS logistics platform for a medical device distributor, deployed with Zimmer in 2011; ran its logistics for over 40% of Canadian hospitals.

2000 TO 2009

Earlier. Digital Ocean Marketing, Fibre, Actus and Terranova (UK: NHS records built out at five hospitals, including Guy's and St Thomas'), up to Director of Development.

05 · PRODUCTS AND OPEN SOURCE

Payment SDKs: squareup, stripe, clover. One typed TypeScript design across Square, Stripe and Clover: service clients plus webhook middleware for Express, Lambda, Next.js and edge runtimes. squareup (v2.3.0, 14 services) is getMickled's payment layer; clover has no dependencies and stripe only the Stripe SDK as a peer. MIT, on JSR, 76 merged PRs.

Zeepler. JSON to ZPL label API: commercial SaaS with auth, API keys, metering, billing and webhooks. 207 merged PRs.

JB Karting race platform. Live at jb-karting.com for one UK racer; multi-team version in build. Built solo: React, Hono on Lambda, DynamoDB, 25 Terraform files. 202 merged PRs.

06 · SKILLS

LANGUAGES TypeScript, JavaScript, PHP, SQL, C#, ZPL / **FRONT END** Angular, React, Next.js, React Native (Expo), Tailwind, RxJS, Signals / **BACK END & DATA** Node.js, NestJS, Hono, Express, Symfony, OpenAPI, GraphQL; DynamoDB, PostgreSQL, Supabase, MySQL, Prisma, Redis / **CLOUD & IAC** AWS (Lambda, API Gateway, Cognito, S3, CloudFront, ECS, EKS, SQS, SNS); Azure (App Service, Functions); Terraform (Infrastructure as Code), CDK, Docker, Kubernetes, Helm, GitHub Actions (CI/CD) / **TESTING** Vitest, Jest, Playwright, Cypress, PHPUnit / **AI ENGINEERING** Claude API, Claude Code and Cursor at team scale

07 · EDUCATION

BSc (Hons) Applied Computing, University of East Anglia, 1996 to 2000