

Tessa Pham Junior Software Engineer

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PROFILE SUMMARY

- Junior Software Engineer with 2 years building Node.js services and member-facing features for a consumer dating app on iOS, Android and web, after a computer science degree and a summer internship at ZipRecruiter.
- Writes TypeScript on Node.js and some React, stores data in DynamoDB and Redis, builds REST APIs and Kafka consumers, deploys to AWS with Docker and Kubernetes, tests with Jest, and debugs in Datadog.
- Getting better at event-driven design and cache invalidation in code review with seniors, ships each change behind a feature flag and an A/B test, and writes unit and integration tests before every pull request.
- Works with a product manager, a designer and iOS and Android engineers on the Double Date squad, meets at daily standup and biweekly planning, and takes messaging on-call one week a quarter.
- Wrote the local setup guide for the matches service, pairs with summer interns on their first pull requests, and runs the team's Thursday onboarding office hours for new hires.

TECHNICAL SKILLS

Programming Languages:	TypeScript, JavaScript, Python, SQL, Bash
Frameworks:	Node.js, Express, React, Socket.IO, React Native (basics)
Databases & Caching:	Amazon DynamoDB, DynamoDB Streams, Redis, PostgreSQL, MongoDB (basics)
APIs & Messaging:	REST, WebSockets, GraphQL (basics), Apache Kafka, Amazon SQS
Cloud & DevOps:	AWS (ECS, S3, ElastiCache), Docker, Kubernetes, Terraform (basics), GitHub Actions
Testing Frameworks:	Jest, Supertest, React Testing Library, Playwright, k6 (basics)
Tools & Observability:	Git, Linux, Datadog, Sentry, Jira, GitHub Copilot

EDUCATION

California State Polytechnic University, Pomona	B.S. in Computer Science	Pomona, CA · Aug 2020 to May 2024
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WORK EXPERIENCE

Tinder	Software Engineer	Los Angeles, CA · Jul 2024 to Present
• Built the friend invite flow for Double Date in TypeScript and Node.js and rolled it out market by market with the product manager, raising accepted invites from 34% to 46%. • Rebuilt the Node.js webhooks for App Store and Google Play subscription events with idempotency keys, cutting paying Tinder Gold members shown as expired from 410 a week to 22. • Moved unread counts on the Matches tab from a DynamoDB query on every open to Redis counters fed by DynamoDB Streams, cutting p95 load time from 360 ms to 85 ms. • Joined the messaging on-call rotation and traced a connection leak in the Node.js chat gateway with Datadog APM, cutting WebSocket errors during the Sunday night peak by 64%. • Wrote an RFC for per-user rate limits on Double Date invite links, took it through backend design review, and shipped Redis limits that blocked 18,400 spam invites in the first month.		
ZipRecruiter	Software Engineer Intern	Santa Monica, CA · Jun 2023 to Aug 2023
• Wrote a design doc, approved in team review, for a Python Kafka consumer that batches new matches for a saved search into one daily alert, cutting duplicate job alert emails by 38%. • Converted the saved jobs page in React from JavaScript to strict TypeScript and split its largest component into small hooks, fixing 23 bugs the type checker found before release. • Covered the job apply modal with Jest unit tests and React Testing Library interaction checks, made them required on each pull request, and raised its branch coverage from 41% to 86%.		