

Contact

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Education

April 2018 - December 2018

Web Development Immersive @ Fullstack Academy

September 2009 - May 2013

Bachelor of Arts in Bible/Theology, Psychology Minor @ Wheaton College

Skills

Languages

Typescript
Javascript
HTML5
CSS3
Python
SQL

Frontend Frameworks

Reactjs
Angular 8+

Infra / Cloud

GCP
AWS
Terraform

Monitoring / Observability

Kibana
Datadog
Splunk
Prometheus
Grafana
Sentry

Deployment / Pipelines

Jenkins
CircleCI
Concourse
Docker
Kubernetes
Gitflow

Backend / Database

NestJS
Swagger
MySQL
PostgreSQL
BigQuery
Rest APIs
GraphQL
ORMs

Workflow

Jira
Confluence
Shortcut

Version Control

Git
Github

Others

Writing
Editing
Reporting
Research
Public Speaking

Kevin Hu

Software Engineer

Experience

Software Engineer - Platform Tempus AI

Oct. 2022 - Current
Chicago, IL

- Maintain an order orchestration service (orderhub) that manages diagnostic tests - defined by physician and care teams - by facilitating the sequence of individual processes that make up the order tree (DAG) of a single test which gets consumed over 200 million times a month by thousands of users
- Develop a webhook service that pioneers eventing architecture in the organization at large to allow users to listen for notification system triggers and perform dynamic actions for standard workflows
- Enhance and support microservice SDK by building Google Pub Sub, AWS SNS, and API helper clients tailored to our system in order to enforce controlled usage, prevent bad data, and ultimately drive adoption
- Ensure reliability of service by driving improvement features such as transitioning our Okta authentication strategy, implementing Redis client reconnect, and documenting a standard for observability through determining proper usage of alerting types between google metrics and prometheus
- Build the work context service to pioneer a single-source of truth for defining how data is accessed, who is permitted to access it, and tracking for legal on data classification types
- Maintain audit table views within BigQuery to trace creation and updates of data products within the organization each time test order items are fulfilled by lab technicians
- Assisted in transitioning our notification system leader election strategy from an internally built lock management service to MySQL 8 locking mechanism
- Maintain a microservices architecture in a well-defined SDLC that includes building, testing (unit, integration, load), and deploying across 5 workload environments
- Mentor and interview junior engineers as needed

Software Engineer - Consumer Experience Feather

Sept. 2021 - June 2022
Remote, Chicago, IL

- Developed features on consumer-facing website - most notably the addition of stock status badges, filtering options, and account details
- Enhanced customer subscription data by remodeling subscription schema definitions, running migrations to clean data, updating automations, and delivering new suite of features on internal CSO tool
- Converted monolithic legacy APIs into NestJS APIs where both REST and GraphQL support was available, allowing us to decouple concepts to create a more nimble and resilient system
- Co-designed and built a rules engine that governed subscription leases in order to streamline subscription type transitions, automate document deliveries, and implement version control
- Participated in on-call process, using Datadog for monitoring, logging, and analysis
- Participated in DE&I committee as a volunteer to determine organizational needs and co-led initiative to celebrate AAPIs in the month of May

Software Engineer - Advanced Analytics LivePerson Inc.

Mar. 2021 - Sept. 2021
Remote, New York, NY

- Developed an annotation tool (Taxonomy Annotator) used by 200+ accounts and our internal taxonomy team to quickly mark up conversation transcripts with annotations - large amounts of data generated by this application was used to improve intentfulness of our NLP platform
- Developed a staff forecasting tool (Staff Forecaster) that integrates with data from LivePerson conversation platform to generate forecasting estimates for multiple data points in the future weeks, then renders all data in tables
- Optimized searching features by building complex autocomplete components, adding to suite of searchable data columns, and increasing complexity of data matrices to reflect search results
- Increased unit and systems testing for Taxonomy Annotator by ~20%
- Built an API migration for Staff Forecaster which feeds its analytics ~80% of it's data
- Iterated code appropriately across multiple CI/CD pipelines to ensure feature readiness, stability, and accessibility; scaled across three regional zones - US, UK, and Sydney

Fullstack Engineer

May 2019 - March 2021

- Leveraged in-house Functions as a Service (FaaS) platform to transform in-house API data responses before delivering to client services
- Developed a middleware for General Motors in order to create consumable APIs that integrates daily data batches from client SFTP server with LivePerson bot and proactive messages platform - APIs read and write to google sheets and is consumed via LP functions as a service platform - allowing 200+ customers per week to opt in to purchase orders
- Developed test middleware using LivePerson RESTful APIs and Node SDKs to demo how to bootstrap and tailor server-side and client-side tools