

# Dmitry Cheryasov

## Experienced senior software engineer, tech lead

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  - US citizen; New York, NY, USA.
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## Skills

- Core: Code review; mentoring; team coordination, cross-functional work, working across the stack.
  - Databases:
    - SQL: Postgres, MySQL, Oracle, SQLite.
    - Query optimization and scaling; migrations.
    - NoSQL; Redis, Spark/PySpark.
  - Backend development:
    - Restful APIs, GraphQL, gRPC; OpenAPI; observability.
    - Python: Django, FastAPI, SQLAlchemy.
    - Node: Typescript, Javascript, Express.
    - Java: Spring Boot, Maven.
  - Frontend development:
    - React; Next.js, SSR.
    - Typescript, JavaScript.
    - HTML, CSS, Responsive design.
  - Testing:
    - Unit tests, functional tests, integratoin tests, e2e tests; TDD, TFD.
    - Playwright; Jest, Jasmine, Chai; JUnit; pytest.
  - Cloud: AWS, S3, EC2, RDS, SQS, SNS, ECS, ECR, Lambda, FarGate, R53, ElastiCache, etc.
  - Linux, bash, git; Docker, Kubernetes, Terraform; CI/CD, ArgoCD. Algorithms, data structures.
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## Experience

### Capital Rx

Senior Fullstack Developer, Jan 2024 - Oct 2024

- Worked on software for administering medical benefits used by large insurers and pharmacy networks.
  - Developed APIs and complex Web UIs to improve the UX and add features desired by product / users.
  - Python, SQLAlchemy; Postgres; AWS; Typescript, React.
- Left to help start up an offline family business.

### Coffee Meets Bagel

Senior Software Engineer / Tech lead, Apr 2022 - Apr 2023

- Worked on the backend of a dating app for serious daters with several million users worldwide.
- Architected and took part in implementation of the key UX flow, the sorting and grouping of date matches.
- Architected a smart event notification system that keeps users informed but not overwhelmed.
- Coordinated product, mobile, and backend engineers.
- Provided for parallel development of backend and frontend, and fast iteration without having to update the app.
- Improved speed and quality of backend tests and CI/CD, this noticeably slashed the code turnaround time.
- Python, Django, Postgres, Redis. AWS, Kubernetes.

Laid off with half of the engineering team. Spring 2023 triggered layoffs across the industry.

### Dynaboard

Engineer, Oct 2021 - Feb 2022

- Worked on a low-code rapid Web application design environment, as employee #5.
- Implemented a few features, both backend and frontend, along with daily product improvement work.
- Typescript, React, Nest.js; GraphQL; Jest, yarn, etc.

Laid off a week after a good performance review.

## Facebook

Senior Software Engineer, Aug 2020 - Sep 2021

- Worked on messaging API layer, used by FB Messenger, Marketplace, Oculus, and other Meta products.
  - Built service-specific, safe interfaces to separate different products at the API level.
  - Hack (the language), non-public tools and frameworks. Production on-call rotation.
- Left to join a promising startup as an early employee with big responsibility and big equity.

## Click Therapeutics

Senior Software Engineer, Feb 2019 - Jun 2020

- Reworked the architecture of authentication and authorization.
  - Designed and implemented backend services, parts of Web frontend.
  - Improved the local development environment.
  - Improved engineering processes: code review, testing, requirements gathering and design.
  - Conducted and actively improved hiring interviews.
  - ES6, React, Node.js, Python, Postgres, Docker. AWS (EC2, Lambda, CloudFormation, etc).
- Left to join Facebook (now Meta).

## GrubHub

Senior Software Engineer, Nov 2016 - Jan 2019

- Worked on the backend of a nationwide food delivery company, and smaller services acquired by it.
  - Researched, designed, and built data cleaning and import pipelines for acquired data.
  - Researched, designed, and built integrations with third parties, such as Yelp.
  - Python, Java, SQL, Cassandra, Spark, queues. AWS, Kubernetes, Docker. etc.
- Left to join a promising startup, to grow professionally.

## EPAM Systems

Senior Software Engineer, Jul 2011 - Jan 2016

- Designed, built, or improved various internal tools at Google NYC as a contractor.
  - Worked closely with the prospective users, gathered requirements, discussed designs and prototypes.
  - Python, Java, various forms of RPC, Javascript (server-side and client-side). SQL and NoSQL databases.
- Left to grow professionally and financially.

## JetBrains

Software Engineer, Apr 2008 - Jul 2011

- Was hired as a Python expert, and worked on PyCharm since inception until release 1.2.
  - Determined and built most of the basic features to help assess the viability and market fit of a new Python IDE.
  - Java, Python (great many variants). A fully remote team.
- Left to move to NYC and see Google from inside.

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## Education

- Master's degree in Computer Engineering from Samara State Aerospace University, 1991-1995.

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