Dev Purkayastha

Software Engineer

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EXPERIENCE

Pear Therapeutics, New York, NY - *Senior Software Engineer, JAN 2022 - NOV 2022*
Medical apps for treating substance use disorder and insomnia.

- Developed backend microservices and libraries, as part of a migration from a legacy monolith backend.
- Improved team's software development cadence through adopting automated conformance scripts and best practices for code review.

Google, New York, NY - *Software Engineer, JUL 2014 - AUG 2021*
Online music services (Google Play Music and YouTube Music).

- Developed new server-driven UI components through initial design, API development, client integration, and the launch process. The new user experience led to increased app usage.
- Implemented ad integration into the web music client, connecting a complex app with asynchronous ads and music APIs. Advertising enabled a free music experience, resulting in increased usage and more ad deals.

Songza, New York, NY - *Software Engineer, NOV 2012 - JUL 2014*
Online music service with personalized playlist recommendations.
Acquired by Google.

- Developed the frontend for a refresh of the web app, using Python, Javascript & CSS (with various frameworks). The resulting UI delivered uninterrupted music playback with a smooth app-like UI, while working within the affordances and limitations of the web.

Eleven Learning, Cambridge, MA - *Co-founder & CTO, FEB 2009 - NOV 2012*
Educational publishing startup for delivering open-source digital textbooks.
Member of Imagine K12 startup incubator (2011).

- Implemented all aspects of the platform:
  - browser-based textbook reader, with annotation and highlights
  - peer-authoring tools, allowing non-technical professors to collaborate on open-source textbooks
  - text-processing toolchain, used by external contractors

EXPERIENCE (cont'd)

Independent Contractor - *Software Engineer, FEB 2009 - NOV 2012*
Developed software for various clients, ranging from early-stage startups to established companies.

Auburn Quad, Cambridge, MA - *Software Engineer, JUL 2008 - FEB 2009*
Online community fundraising software; primarily used with ActBlue, a market leader in political fundraising. (Now operating as ActBlue Technical Services.)

Sconex & Sugarloot, Cambridge, MA - *Engineering Manager, FEB 2006 - JUL 2008*
Social networking platforms. Acquired by Alloy Media & Marketing.

BzzAgent, Boston, MA - *Software Engineer, AUG 2004 - FEB 2006*
Digital marketing through relationships with influencers.

Liquid Machines - *Software Engineer, JUN 2004 - AUG 2004*
Encryption software for a Windows environment.

EDUCATION

Harvard University, Cambridge, MA
B.A., Computer Science, 2004

SKILLS

Languages: Typescript, Javascript, Ruby, Python, CSS, Java, PHP, C, C++.

Frameworks: Node.js, Rails, Sinatra, Django.

Methodologies: microservices architecture, API design (REST, gRPC), databases (relational and schemaless), server-side rendering architecture, automated integration and deployment, test-driven development.