

# Pavel Boldyrev

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Driven full-stack engineer with a proven track record of delivering production features end-to-end. Exploring financial technology and big data to solve meaningful problems with highly optimized solutions.

**Technical Languages** AngularJS (RxJS), ReactJS, GraphQL, NodeJS, Redis, MongoDB, AWS (Serverless)  
Javascript (JS), TypeScript (TS), Python, C#, C/C++, Dart, Java, SQL, HTML, CSS

## Experience

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### BILL

**Software Engineer**, San Jose, CA (07/2023 - Present).

- Led frontend development of multiple tax features; exceeded NPS expectations by 27% upon launch.
- Used Angular 17 with TypeScript, GraphQL, and NodeJS to deliver features and delight customers.
- Developed & delivered features in a micro front-end environment with module federation.
- Created and automated processes to scale deployments; doubled team's deploy frequency to biweekly.
- Contributed to cross-functional projects; product-wide UX enhancements, design system improvements.

**Software Engineer Intern**, San Jose, CA (06/2022 - 09/2022).

- Created a monitoring tool for assessing the parity of BILL's microservices for production deployments.
- Owned the project end-to-end, including design, architecture, and implementation.
- Reduced diagnostic times for developers in production environments from 17 min to 4 min on average.
- Used Python and Flask to host a lightweight CRUD microservice with React JS frontend.

### VIZIO

**Software Engineer (Contract)**, Seattle, WA (09/2021 - 06/2022).

- Collaborated to create scalable code to optimize the performance of VIZIO SmartCast OS.
- Used C#, AWS (EC2, ECS, ElastiCache, CloudWatch) to develop and monitor solutions.
- Participated in rigorous code reviews with the final product released into production.

**Software Engineer Intern**, Seattle, WA (06/2021 - 09/2021).

- Created and implemented the architecture for a distributed cache for SmartCast OS.
- Implemented the cache into production using C#, Redis, AWS (ElastiCache and EC2).
- Reduced costs by 78.64%, lowered latency by 99.04% of a service using cache architecture.

### MICROSOFT

**Product Management Intern**, Redmond, WA (06/2019 - 09/2019).

- Developed a security risk analyzing software using Python, Cypher, Neo4J, and Azure.
- Engaged executives on the Cloud+AI team to establish stakeholder requirements.
- Attended seminars to identify and effectively utilize my unique leadership style as a highschool student.

## Projects

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### FINACLE

**AI-powered full-stack personal net worth tracker**, Santa Clara, CA (12/2023 - 03/2024).

- Built with AngularJS, Python, AWS (serverless, amplify), and custom LLM with Chat GPT.
- Implemented authentication, complex data manipulation, and asynchronous fetching from external APIs.
- Responsible for frontend and design of the final project; iterated designs in Figma.

## Education

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### SANTA CLARA UNIVERSITY

**B.S. Computer Science and Engineering, GPA 3.89/4.00.**

- Graduated in 3 years with Magna Cum Laude honors, member of Tau Beta Pi and Upsilon Pi Epsilon.