

Zach Barnes

Principal Software Engineer

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High-output Full Stack Engineer and Technical Lead with a proven track record of delivering complex projects. Seeking challenging opportunities to leverage my leadership skills and technical expertise on large-scale initiatives.

Work Experience

Principal Software Engineer

Indeed-Austin, TX

March 2020 to Present

Work with multiple medium-sized teams of developers, working across a range of technologies to architect, develop, and maintain a self service platform for Employers to create hiring events.

- Led the development of the Hiring Events Employer platform, enabling employers to self serve the creation of hiring events.
- Architected the analytics platform for the Hiring Events team, processing billions of rows of raw data into efficient analytics tables and indexes.
- Led the integration of Hiring Events with the Indeed ecosystem, ensuring a seamless experience for employers and expanding reach.
- Spearheaded a state management overhaul for the Hiring Events platform, replacing outdated technology with a streamlined process. This reduced code complexity and improved maintainability, mitigating bugs.
- Transformed the front-end developer interview process by revamping interview questions, training new interviewers, and streamlining procedures. This improved the candidate experience and hiring efficiency.
- Collaborated with leadership teams to define project scope and prioritize work, effectively managing teams of 5-10 developers.

Skills used: Leadership, Architectural lead, Java, JavaScript, Typescript, React, Python, Django, GraphQL, Spark, Trino, Amazon Athena, Kafka, Distributed systems, Docker

Chief Technology Officer (CTO)

Skip-Austin, TX

June 2022 to April 2024

- Led the development and architecture of a mobile app and backend system using Flutter, Firebase, and Google Cloud. The app achieved 100,000 downloads and supported 30,000 active users.
- Oversaw a successful nationwide launch. Inherited the app and completely revamped both the front-end and back-end to handle the high volume of users associated with the national rollout.

- Built and managed a high-performing engineering team. Successfully interviewed, hired, and led a small team of engineers to support the app's growth.
- Collaborated with the founder to define the app's technical roadmap, setting both short-term and long-term strategies.

Senior Full Stack Developer

Infocyte-Austin, TX

June 2017 to March 2020

Work remotely with a small team of developers to design and develop a web platform for users to manage cybersecurity data gathered with custom software.

Responsibilities included:

- Working closely with designers to architect the Infocyte CSS platform
- Restyle the entire web application
- Convert the web application from Angular 1 to React while maintaining development of new features
- Take a lead development and architect role for the front end codebase

Skills used: HTML, Sass, Javascript, Webpack, PostgreSQL, node, loopback, AngularJS 1, React

Senior Front End Developer

Red Ventures-Fort Mill, SC

December 2016 to May 2017

Work with a small team of designers and back end engineers to create a software platform serving internal and external clients. Pair program with coworkers to help them learn front end development. Make guiding decisions on the platform and tools used. Skills used: HTML, SASS, Javascript, Vue, Webpack

Team Lead - Front End Development

Volusion-Austin, TX

April 2015 to September 2016

Responsibilities

Work in a small team to develop the future product of the company. write clean concise code, sticking to coding standards. Work with product managers and an API team in an agile environment to help plan deadlines and execute within a deadline.

Accomplishments

Became top contributor to the project after only 1 month. After 1 week, I developed and implemented a set of coding standards across the entire project. I was also the first developer to demo the project status to a team of executives, and have done several demos for them since.

Skills Used

SASS, HTML, Javascript, AngularJS

Application Developer

Third Corner-Plano, TX

June 2014 to April 2015

Responsibilities

Work in small teams to develop business applications with a variety of requirements. Communicate with clients to build a set of requirements and execute a plan to deliver those requirements within a set deadline.

Accomplishments

Known as the person to get things done. I was moved to projects that were behind schedule to get them up to speed. I would also pair program with other developers to help them effectively use their development tools and optimize their productivity.

Skills Used

AngularJS, C# .Net, SQL Server, Karma, Jasmine, Gulp, HTML, CSS, LESS, Bootstrap, Git, TFS, Continuous Integration

Software Developer

Petrocloud

May 2013 to June 2014

Develop and maintain device software, manage MySQL databases, and Front and back end web development for cloud based oil automation

Education

B.S. in Computer Science

University of Texas at Dallas - Dallas, TX

Skills

- php (2 years)
- mysql (4 years)
- html (6 years)
- javascript (6 years)
- Bootstrap (3 years)
- Python (2 years)
- Nodejs (4 years)
- Express (4 years)
- AngularJS (6 years)
- JQuery (6 years)
- Unity (2 years)
- Android API (1 year)
- Facebook API (1 year)
- .NET (3 years)
- SQL Server (3 years)
- Less (6 years)
- C# (2 years)

- Java (1 year)
- AWS

Links

<https://github.com/Zacharias3690>

<https://ztbarnes.com/>