BENJAMIN SCHOELKOPF

ben.schoelkopf@gmail.com   benschoel.com   github.com/benschoel   linkedin.com/in/benschoel

EDUCATION

HOFSTRA UNIVERSITY
Bachelor of Arts, Computer Science   *August 2020 - June 2023*
- **GPA:** 4.0 | **Awards:** *Summa Cum Laude*, Provost's List all semesters (4.0 GPA for 12+ credit hours)

EXPERIENCE

EULERITY
Full Stack Engineer   *June 2023 - Present*
- Discovered and implemented an optimization strategy that reduced page load time by 1000x, significantly improving performance and enabling the acquisition of larger clients
- Dockerized the development environment, streamlining the onboarding process for new hires and enhancing team productivity
- Led a team in refactoring and enhancing the Facebook marketing integration, the company's most critical integration, showcasing leadership and expertise in modernizing legacy code
- Hired and managed two interns to develop a new suite of reporting tools, demonstrating leadership and commitment to team growth and skill development

EULERITY
Full Stack Intern   *November 2021 - June 2023*
- Designed and implemented a custom calendar with full features, enhancing user scheduling capabilities and integrating seamlessly with existing systems
- Transitioned from raw XMLHttpRequests to a custom, type-safe library for backend integration, improving code reliability and maintainability
- Developed SuperTable, a type-safe React component using TypeScript and higher-order components, streamlining the creation of complex tables and facilitating easy data downloads
- Collaborated across backend and frontend teams, efficiently managing time and responsibilities; conducted daily code reviews on GitHub and utilized JIRA, Git, and Figma to improve project management and design workflows.

CLOCKY
Web Intern   *February 2021 - September 2021*
- Adapted quickly to Shopify programming paradigms, acquiring proficiency and applying it effectively to enhance e-commerce solutions
- Developed a custom sliding cart feature from scratch, which remains a core component of the site, showcasing long-lasting impact and innovation
- Refactored website code to achieve a 10x improvement in first-page load speed through strategic implementation of lazy loading techniques

PROJECTS

AssetStack | assetstack.io **|** *Next.js, Postgres, TRPC, Tailwind*
Business Venture
- Utilized Amazon S3 for asset storage, ensuring scalable and reliable management of digital assets.
- Developed a custom tool to generate and integrate cloud-based types into a TypeScript project, enhancing development efficiency and type safety.
- Integrated Stripe payment processing to facilitate secure and seamless transactions within the application.

Hubtrack | hubtrk.com **|** *React, MongoDB, Express, Websockets, Nginx*
Business Venture
- Developed a full-scale web application using React, Express, and NGINX, demonstrating expertise in modern web technologies and deployment.
- Executed a nationwide outreach campaign to Ace Hardware stores, resulting in multiple new sign-ups and successful partnerships.
- Integrated Stripe payment processing into the application, enabling secure and efficient transaction handling.

Innabox | *Web scraping, 3D Printing, Stripe, SSH Tunneling, RPi*
Business Venture
- Developed and implemented a web scraping solution to retrieve item prices from Ace Hardware stores, demonstrating advanced data extraction and analysis skills. (Note: Addressed legal concerns proactively.)
- Designed and engineered a rugged touchscreen device with a custom 3D-printed frame and diverse mounts, showcasing expertise in hardware design and user interface integration.
- Secured IoT devices with SSH keys, ensuring robust security protocols for all Innabox devices, highlighting proficiency in cybersecurity and device management.

TECHNICAL SKILLS

Programming Languages: Java, Typescript, Rust, Python, SQL
Tools: Docker, Git, JIRA, Figma, TailwindCSS
Cloud/DevOps: AWS (S3), NGINX, Stripe

Frameworks: React, Next.JS, Express, Spring Boot
Databases: MongoDB, Postgres, Datastore

AWARDS & HONORS

Designing the World Challenge
1st Place Winner
- Led a team to victory in a highly competitive engineering competition involving 10 teams. The challenge required solving various engineering problems and culminated in designing and building a vehicle that traveled the farthest autonomously. Demonstrated strong teamwork, problem-solving skills, and innovative thinking.