AKHIL JACOB

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PROJECTS

Entrepreneurial software engineer with a passion for building end-to-end solutions. Proven experience launching AI-driven apps, deploying scalable backend systems, and driving rapid iteration in startups and enterprise settings. Committed to creating high-impact, user-focused products.

WORK

Datavant / Software Engineer II, Identified Data / *Remote*   *March 2022 - May 2023*
- Developed a containerized auth system with Docker, Kotlin, and Rego, supporting OAuth2/OpenID Connect for authentication and scope-based authorization across users, apps, and APIs.
- Built and optimized a Python-based healthcare data production microservices with retry logic and failure prevention, improving data retrieval efficiency and reliability
- Led the implementation of an automated data retrieval system, replacing a manual process that took days with a faster, configurable solution that completed in minutes

Microsoft / Software Engineer, Azure Identity / *Seattle, Washington*   *August 2019 - February 2022*
- Led development of an automated config deployment platform in C#, reducing deployment time and ensured smooth migration with custom tools
- Enhanced identity management tooling for Azure Active Directory by implementing new API (C#) and UI (JavaScript/Knockout/CsHtml) features for first-party applications, improving user experience and system functionality
- Led development of an automated deployment platform in C#, reducing deployment time by 40% and ensuring smooth migration with custom tools

Bank of America / Software Engineering Intern / *Jersey City, New Jersey*   *June 2018 - August 2018*
- Developed a Scala application to ingest JavaScript errors and contextual information, storing them into a Postgres instance, enabling developers to diagnose and resolve issues

Our.News / Co-Founder & Full Stack Developer / *Troy, New York*   *April 2018 - July 2018*
- Redesigned user experience and upgraded site capabilities using Python, PHP, SQL, JavaScript, and jQuery,
- Boosted team productivity by implementing code reviews, quality guidelines, workflow management, and issue tracking
- Created portable web components using Stencil.js for partner companies, expanding product integration and market reach

MITRE Corp / Software Engineering Intern / *Bedford, Massachusetts*   *June 2017 - August 2017*
- Developed a JavaFX application to sanitize classified documents and generate output files in various formats (PDF, text, Word), streamlining document processing
- Practiced Agile and Scrum in 2-week sprints with 3 other developers
- Saved Air Force personnel 7 hours per week by automating manual document sanitization processes
- Collaborated with users to resolve issues and enhance application features, improving user satisfaction
- Presented project outcomes to senior military officials and MITRE leadership, showcasing application benefits

ENTREPRENEURIAL PROJECTS (10K+ total users)
- **inboxhiive**: SaaS platform (Next.js, Firebase) transforming podcast audio into rich newsletters.
- **Nookly**: Uber-style home services app (Flutter, Firebase) for convenient scheduling and management.
- **HypeBridge**: AI-powered agentic influencer search (Next.js, Gemini), automating discovery & outreach.
- **Skywise**: Conversational AI weather app (Flutter + GPT API) for dynamic real-time forecasts.
- **Flowomoro**: Minimalist Pomodoro productivity app.
- **Astro Defender**: Mobile game (Flutter) exploring game dev and advanced mobile frameworks.

EDUCATION

Rensselaer Polytechnic Institute / *Troy, New York*   *August 2016 - May 2019*
- Bachelor of Science in Computer Engineering
- Coursework: Algorithmic Robotics, Embedded Control, Applied Parallel Computing, Computer Arch., Internet of Things (IOT)

SKILLS
- **Languages:** Dart, Java, C++, Python, C, C#, JavaScript, GoLang, Shell
- **Libraries:** Vue.js, React.js, Flutter, Next.js
- **Methodologies**: Agile, Scrum, TDD, CI/CD
- **DevOps/Tools:** Git, Docker, Nginx, Azure DevOps, Jenkins, Firebase
- **Database:** MySQL, Postgres, Azure DocDB
- Linux server management