

Nathaniel Binkley – Software Engineer

Backend / Full Stack | API | Fintech / Payments / Integrations

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SUMMARY

Software Engineer with 4+ years of experience building scalable backend systems and full-stack applications, with a strong focus on API development, cloud infrastructure, and payment integrations. Proven track record of driving business impact, contributing to revenue growth from \$10M to \$50M ARR within 14 months, and leading engineering initiatives at high-growth startups. Experienced in fintech, microservices, and modern cloud-native architectures.

EXPERIENCE

Software Engineer | Pixlmob | Greenville, SC June 2025 - Sept 2025

- Assisted and the successful launch of Propmedia.com, contributing to the company mission of uniting realtors to photographers
- Enhanced core features, driving a 20% increase in premium membership conversions
- Built a complete user-facing application using React and Node.js, enabling realtors to discover and book photographers through reusable, stylized Figma-based components
- Developed and maintained GCP cloud functions, leveraging Pub/Sub patterns to handle event driven database object creation and updates

Independent Product Development | Strategic Sabbatical | Greenville, SC Sept 2024 - Apr 2025

- Took a planned sabbatical to design, build, and launch Consi (consiapp.com), a full stack SaaS product
- Led end-to-end product development including system architecture, backend APIs, frontend implementation, authentication, and cloud deployment
- Evaluated product market fit and integrated third-party services including Stripe and Google Places
- Strengthened expertise in cloud infrastructure, SaaS architecture, and product-driven engineering

Backend Software Engineer | Bosscat | Charleston, SC (Remote) June 2023 - Sept 2024

- Designed and implemented Java Spring Boot microservices supporting investor-focused business workflows
- Delivered multiple high-impact projects that contributed to company growth from \$10m to \$50m ARR over 2 years
- Integrated and maintained payment and accounting systems across Stripe, NetSuite, and Quickbooks ensuring accurate financial calculations and reporting
- Collaborated cross-functionally with external partners (Including Home Depot and startup vendors)
- Served as Temporary Team Leader, overseeing sprint planning, code quality, and delivery timelines
- Led a zero-downtime database migration from MongoDB to PostgreSQL, improving complex query performance by 95%

Full Stack Software Engineer | Capital One | Plano, TX (Remote) Feb 2022 - June 2023

- Reduced direct mail marketing cost by \$3M+ per month by implementing database filtering logic to suppress redundant mail
- Owned and maintained three API-driven microservices for parsing and routing data from PDC contracts using Python, Java, and React
- Volunteered on pro-bono finance initiatives and led mock technical interviews to support skill development within the organization and the local area

Software Engineer | Michelin | Greenville, SC May 2021 - Dec 2021

- Collaborated with R&D and cross-functional teams to design and ship internal tools improving operational efficiency within HR
- Built a new internal tool that reduced data delivery and processing time by 50% using Java Spring Boot and PostgreSQL
- Developed a new internal product that facilitated rapid tire testing for employees within the warehouse

PROJECTS

Consi | consiapp.com

- Built a Java Spring Boot backend using Hibernate and JPA
- Developed a React / NextJS frontend with secure authentication via OAuth 2.0 (Kindle)
- Integrated with Google Places API and Stripe for location and payment services
- Deployed cloud infrastructure using AWS EC2, Application Load Balancers (ALB), and Route 53

Discord Bot

- Created a Python-based Discord bot using discord.py to track Wordle scores and provide utility commands

Twitter (Now X) Translator

- Twitter bot that translated tweets from political figures during the 2020 election
- Gained over 6000+ followers and generated revenue through Patreon
- Funded 16 meals during college via Patreon Subscriptions

INVOLVEMENT

Director | Clemson University | CUhackit

Sept 2018 - May 2021

- Led coordination between hackers, mentors, sponsors, and organizers for large-scale hackathons
- Streamlined collaboration processes for front and tech teams, enhancing event experience through the integration of cutting-edge technology.
- Increased event attendance by 20% year-over-year through targeted promotion efforts and key partnerships

Innovation Organizer | Stanford University | University Innovation Fellows (UIF)

Nov 2019 - May 2021

- Implemented design-thinking initiatives such as “The Sandbox” to promote interdisciplinary collaboration at Clemson
- Organized networking and professional development events at different San Francisco offices for Google, Adobe, Netflix, and a few startups

Hackathons

- UGA hacks -- 1st Place -- GP "Us"
- LA Hacks -- 2nd Place -- Patient Matcher
- Auburn Hacks -- 1st Place -- TrueResume
- UGA Hacks -- 1st Place -- Guardian Angel

EDUCATION

Bachelor of Science in Computer Science | Clemson University | Clemson, SC

2021

SKILLS

Languages: Java, Python, JavaScript, TypeScript

Frameworks: Spring Boot, React, Node.js, Angular

Databases: PostgreSQL, MongoDB, Redis, SQL

DevOps: AWS, Docker, Jenkins, GitHub Actions

Others: Microservices, REST APIs, Payment Systems, Unit Testing,