

Naib Baghirov

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BS in Computer Science | University of Waterloo | December 2015 | Waterloo, CA

Beautiful.ai | Staff Software Engineer | January 2022 - Present

- Firebase Realtime DB to MongoDB migration including schema/model design, real-time sync service for incremental transfer, client adapter layer for dual-database support, phased production cutover
- Conversational AI presentation generation (v2 architecture redesign) with chat-based slide concept iteration and refinement, integrated image generation models: Flux via Replicate, Imagen/Gemini via Google, DALL-E via OpenAI
- Zoom/Google Meet integrations with presenter view (slide notes, navigation controls) and audience player view using per-viewer instances in individual Zoom clients for improved video/animation rendering versus screen sharing
- MCP (Model Context Protocol) server for Claude Desktop integration, public generation API for automation platforms (N8N, Make, Zapier), OAuth 2.0 identity provider for Beautiful.ai user authentication
- Spreadsheet linking system connecting slides to Google Sheets, OneDrive Excel, Airtable, Smartsheet, Zoho Sheets with automatic table/chart data synchronization on external source updates
- Mux video integration for HLS streaming with AB tested migration from FFMPEG-based transcoding
- Numerous additional features: Salesforce/HubSpot presentation analytics integrations, password-protected link sharing, Microsoft authentication, PDF compression via gsutils, checkout flow redesign, and others
- Technologies: Node.js, Backbone.js, React, TypeScript, Redis, MongoDB, GCP

Taplytics | Senior Software Engineer | November 2019 - January 2022

- Simulations feature for Customer Journey graph enabling customers to preview live Audience data flow in real-time, including updates to Audience Ingestor, Journey State, API services, and Dashboard
- Mongo proxy service with API interface for generating configuration data based on request types, storing in CDN/Redis, and providing fetching API for internal services and SDKs
- Recommendation service integrating multiple external sources including client-specific services and Cassandra
- Feature Flagging system support and maintenance based on customer feedback from triage, including bug fixes and feature enhancements
- Technologies: Python, Node.js, React, Redux, PostgreSQL, Docker, AWS

Thrive Savings | Founding Software Engineer | February 2018 - November 2019

- Bank aggregation layer supporting multiple providers (Flinks, Quovo, Plaid) with provider-specific strengths per bank, generic abstraction layer for bank selection routing users to optimal provider
- VersaPay integration for automated credit card payments based on user-defined savings configurations and schedules
- SynapseFI integration for debit card issuing allowing customers to spend directly from savings accounts
- Cross-platform mobile application built with React Native for iOS and Android, web version ported from React Native to React using react-native-web
- Backend API serving JSON endpoints for mobile/web clients, background task processing for transaction analysis and savings calculations, database design, and deployment infrastructure
- Technologies: Node.js, React Native, React, Redux, PostgreSQL, AWS

Bamba Group | Software Engineer | February 2017 - February 2018

- Drag-and-drop canvas survey builder for visual creation of complex surveys with branching logic, major UX improvement over previous list-based interface
- Multi-channel chatbot integrations enabling survey participation via Facebook Messenger, WhatsApp, and web chat in addition to existing SMS channel
- Report dashboard displaying aggregated survey results with PDF export and response querying functionality
- Technologies: PHP, jQuery, MySQL, AWS

Clipwire Games | Game Developer | January 2016 - February 2017

- Game development using Unity for 3D/2D titles published across Android, iOS, and WebGL: Redshift, Sticker Clicker, Bingo World Tour, Bingo Story, Game Trillionaire, Stringuistics
- Translation management web application enabling translators to localize game content and process payments
- Technologies: Unity3D, C#, PHP, Laravel, jQuery, MySQL, AWS