

# DANIIL GAVRILIKHIN

## FULL-STACK ENGINEER

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### PROFILE

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Full-Stack Engineer specializing in web and mobile platforms, with experience in compiler design.

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### AREAS OF EXPERTISE

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- Typescript
- React
- Python
- Tests
- API
- React Native
- Tensorflow
- CI/CD

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### PROFESSIONAL EXPERIENCE

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#### Full-Stack Engineer, Chatroulette

Jan 2023 to Present

Dubai

Mobile & web performance, UI, internal tooling, CI/CD, and product-quality improvements.

- Led migration to **React Native Web**, unifying web & mobile UI and increasing UI delivery speed by **1.5–2x**
- Built an end-to-end **in-app review flow** (frontend & backend), raising average app rating from **2.8 to 4.0 stars**
- Reduced crash rate to **0.33%** (0.24% below peers) through native fixes, regression testing, and E2E coverage
- Reduced our codebase compilation time from 2 minutes to 12 seconds
- Developed a **Stripe**-dispute countering tool that replaced manual workflow
- Introduced **Storybook** & **Chromatic** for UI documentation and visual regression testing; built reusable components and animations for mobile & web
- Integrated **Sentry** and **Google Analytics** for crash analysis and product metrics tracking
- Optimized **Core Web Vitals**, improving performance scores by up to **20 points**, and enhanced CI/CD with Docker-based workflows
- Managed **Android & iOS releases** and native module integrations; integrated **Banuba WebRTC** for AI video effects
- Worked with **PostgreSQL** (schema design, queries)
- Run a **GDPR audit** to ensure compliance

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### EDUCATION

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#### MSU-BIT, Shenzhen

Sept 2020 to Jun 2024

Bachelor

Bachelor in Applied Mathematics and Computer Science. Graduated **with Honors**.

Diploma project: designed and implemented a full **LLVM**-backed compiler in **Rust**, including lexer, parser, semantic analysis and **LLVM IR** code generation, demonstrating systems programming, **compiler design**, and Rust expertise.

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### LINKS

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[GitHub](#) | [Portfolio](#)

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### LANGUAGES

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Russian, English, Chinese