

TaskLink Database Schema (MySQL)

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CREATE TABLE roles (
  id SMALLINT PRIMARY KEY AUTO_INCREMENT,
  name VARCHAR(32) NOT NULL,
  description VARCHAR(255),
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP
);

CREATE TABLE users (
  id BIGINT PRIMARY KEY AUTO_INCREMENT,
  role_id SMALLINT NOT NULL,
  first_name VARCHAR(100),
  last_name VARCHAR(100),
  email VARCHAR(255) UNIQUE NOT NULL,
  password_hash VARCHAR(255) NOT NULL,
  phone VARCHAR(32),
  bio TEXT,
  address VARCHAR(255),
  avatar_url VARCHAR(255),
  status ENUM('Active', 'Suspended', 'Pending'),
  is_active TINYINT,
  last_login DATETIME,
  created_by BIGINT,
  created_at DATETIME,
  updated_at DATETIME
);

CREATE TABLE worker_profiles (
  user_id BIGINT PRIMARY KEY,
  profession VARCHAR(150),
  headline VARCHAR(255),
  hours INT,
  verification_status ENUM('Pending', 'Verified', 'Rejected'),
  verification_submitted_at DATETIME,
  verification_reviewed_by BIGINT,
  verification_reviewed_at DATETIME,
  created_at DATETIME,
  updated_at DATETIME
);

CREATE TABLE task_categories (
  id SMALLINT PRIMARY KEY AUTO_INCREMENT,
  slug VARCHAR(64),
  name VARCHAR(128),
  created_at DATETIME
);

CREATE TABLE skills (
  id MEDIUMINT PRIMARY KEY AUTO_INCREMENT,
  name VARCHAR(100),
  created_at DATETIME
);

CREATE TABLE tasks (
  id BIGINT PRIMARY KEY AUTO_INCREMENT,
  posted_by BIGINT,
  title VARCHAR(255),
  description TEXT,
  category_id SMALLINT,
  budget DECIMAL(10,2),
  currency CHAR(3),
  deadline DATE,
  status ENUM('Open', 'In Progress', 'Completed', 'Flagged'),
  is_active TINYINT,
  created_at DATETIME,
  updated_at DATETIME
);

CREATE TABLE task_skills (
  task_id BIGINT,
  skill_id MEDIUMINT,
  PRIMARY KEY (task_id, skill_id)
);

CREATE TABLE worker_skills (
  user_id BIGINT,
  skill_id MEDIUMINT,
  PRIMARY KEY (user_id, skill_id)
);

CREATE TABLE bids (
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        id BIGINT PRIMARY KEY AUTO_INCREMENT,
        task_id BIGINT,
        worker_id BIGINT,
        amount DECIMAL(10,2),
        message TEXT,
        status ENUM('Pending', 'Accepted', 'Rejected', 'Canceled'),
        created_at DATETIME,
        updated_at DATETIME
    );

CREATE TABLE jobs (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    task_id BIGINT,
    bid_id BIGINT,
    client_id BIGINT,
    worker_id BIGINT,
    amount DECIMAL(10,2),
    status ENUM('In Progress', 'Completed', 'Cancelled'),
    progress TINYINT,
    started_at DATETIME,
    completed_at DATETIME,
    created_at DATETIME,
    updated_at DATETIME
);

CREATE TABLE reviews (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    reviewer_id BIGINT,
    reviewee_id BIGINT,
    job_id BIGINT,
    rating TINYINT,
    comment TEXT,
    created_at DATETIME
);

CREATE TABLE worker_verifications (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    worker_id BIGINT,
    submitted_at DATETIME,
    status ENUM('Pending', 'Approved', 'Rejected'),
    reviewed_by BIGINT,
    reviewed_at DATETIME,
    notes TEXT
);

CREATE TABLE worker_documents (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    verification_id BIGINT,
    filename VARCHAR(255),
    file_url VARCHAR(511),
    file_type VARCHAR(64),
    uploaded_at DATETIME,
    is_active TINYINT
);

CREATE TABLE worker_portfolio (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    worker_id BIGINT,
    title VARCHAR(255),
    description TEXT,
    url VARCHAR(511),
    created_at DATETIME
);

CREATE TABLE audit_logs (
    id BIGINT PRIMARY KEY AUTO_INCREMENT,
    admin_id BIGINT,
    action VARCHAR(100),
    entity_type VARCHAR(50),
    entity_id BIGINT,
    details JSON,
    created_at DATETIME
);

```